

CANADIAN JOURNAL OF
ZOOLOGY

JOURNAL CANADIEN DE
ZOOLOGIE

Volume 67, 1989

Author Index / Index des auteurs

- Able, K.W. see Fahay, M.P., 1715
Adams, A.M., and Rausch, R.L. A revision of the genus *Orthosplanchnus* Odhner, 1905 with consideration of the genera *Odhneriella* Skriabin, 1915 and *Hadwenius* Price, 1932 (Digenea: Campulidae), 1268
Adler, G.H., and Wilson, M.L. Demography of the meadow vole along a simple habitat gradient, 772
Aho, J.M. see Lydeard, C., 2021
Alexander, J.E., Jr. see Crowl, T.A., 513
Alvarez, F. see Braza, F., 2047
Anderson, R.C. see Bartlett, C.M., 612
Anderson, R.C. see Bartlett, C.M., 1328
Anderson, R.C. see Bartlett, C.M., 2821
Anderson, R.C. see Bartlett, C.M., 2883
Anderson, R.C. see Wong, P.L., 2893
Anderson, S.H. see Menkens, G.E., Jr., 343
Andreeva, R.V. The morphological adaptations of horse fly larvae (Diptera: Tabanidae) to developmental sites in the Palearctic Region and their relationship to the evolution and distribution of the family, 2286
Andrusiak, L.A., and Harestad, A.S. Feeding behaviour and distance from burrows of Columbian ground squirrels, 381
Ankney, C.D. see Brodsky, L.M., 1434
Ankney, C.D. see Lagerquist, B.A., 2694
Anthony, R.G. see Morrison, M.L., 805
Antonelis, G.A. see Feldkamp, S.D., 872
Arai, H.P. see Dixon, B.R., 51
Arnaud, J. see Cuoc, C., 2569
Arnaud, J. see Cuoc, C., 2579
Arnborn, T., and Whitehead, H. Observations on the composition and behaviour of groups of female sperm whales near the Galapagos Islands, 1
Arsanto, J.-P. see Coulon, J., 994
Asaga, T. see Le Boeuf, B.J., 2514
Asper, E.D. see Stevens, T.A., 2592
Athias-Binche, F., Błoszyk, J., and Olszanowski, Z. *Dinychus ruseki* n.sp. (Acar: Uropodina) from Canada, with remarks on the habitats and distribution of the members of the genus *Dinychus*, 1482
Audsley, N. see Lechleitner, R.A., 2655
Audsley, N. see Lechleitner, R.A., 2662
Audy, M.C. see Bonnin, M., 759
Baggerman, B. On the relationship between gonadal development and response time to photostimulation of sticklebacks living under natural conditions and under constant short-day conditions for long periods of time, 126
Bailey, R.E. see Groot, C., 1670
Bailey, R.E., Margolis, L., and Workman, G.D. Survival of certain naturally acquired freshwater parasites of juvenile sockeye salmon, *Oncorhynchus nerka* (Walbaum), in hosts held in fresh and sea water, and implications for their use as population tags, 1757
Baldwin, P.J. see Frost, B.J., 1955
Ballard, K.A., Sivak, J.G., and Howland, H.C. Intraocular muscles of the Canadian river otter and Canadian beaver and their optical function, 469
Bandoni, S.M. see Brooks, D.R., 2609
Barclay, R.M.R. see Mackey, R.L., 1167
Baron, G. see Dulude, A.-M., 1249
Barrett, B.A. see Bates, D.J., 1246
Barrett, M.W. see Proulx, G., 1074
Barrette, C. see Hébert, P., 575
Barta, J.R. see Desser, S.S., 2640
Barta, R.M., Keith, L.B., and Fitzgerald, S.M. Demography of sympatric arctic and snowshoe hare populations: an experimental assessment of interspecific competition, 2762
Bartlett, C.M., Anderson, R.C., and Bush, A.O. Taxonomic descriptions and comments on the life history of new species of *Eulimdana* (Nematoda: Filarioidea) with skin-inhabiting microfilariae in the Charadriiformes (Aves), 612
Bartlett, C.M., and Anderson, R.C. Some observations on *Pseudomenopon pilosum* (Amblycera: Menoponidae), the louse vector of *Pelecitus fulicaeatrae* (Nematoda: Filarioidea) of coots, *Fulica americana* (Aves: Gruiformes), 1328
Bartlett, C.M., and Anderson, R.C. Mallophagan vectors and the avian filarioids: new subspecies of *Pelecitus fulicaeatrae* (Nematoda: Filarioidea) in sympatric North American hosts, with development, epizootiology, and pathogenesis of the parasite in *Fulica americana* (Aves), 2821
Bartlett, C.M., Anderson, R.C., and Wong, P.L. Development of *Skrjabinocerca prima* (Nematoda: Acuarioidea) in *Hyalella azteca* (Amphipoda) and *Recurvirostra americana* (Aves: Charadriiformes), with comments on its precocity, 2883
Bartlett, C.M. see Wong, P.L., 2893
Bates, D.J., Barrett, B.A., and McKeown, B.A. Daily variation in plasma growth hormone of juvenile coho salmon, *Oncorhynchus kisutch*, 1246
Bauer, A.M., and Russell, A.P. Supraorbital ossifications in geckos (Reptilia: Gekkonidae), 678
Bauer, A.M. see Rosenberg, H.I., 884
Baughman, J.F. see Brussard, P.F., 330
Beacham, T.D. see Murray, C.B., 596
Beacham, T.D. Effect of siblings on growth of juvenile coho salmon (*Oncorhynchus kisutch*), 601
Beacham, T.D., and Murray, C.B. Variation in developmental biology of sockeye salmon (*Oncorhynchus nerka*) and chinook salmon (*O. tshawytscha*) in British Columbia, 2081
Beattie, L.A., and Nudds, T.D. Differential habitat occupancy by goldeneye ducklings (*Bucephala clangula*) and fish: predator avoidance or competition?, 475
Bech, C. see Janssen, B.M., 669
Beilin, S.A., and Pasztor, V.M. Modulation of a rhythmically active crayfish muscle by the neuropeptide proctolin, 73
Bell, G.L. see Churcher, C.S., 1210
Bell, G.P. see Kurta, A., 2468
Belton, P. The structure and probable function of the internal cuticular parts of Johnston's organ in mosquitoes (*Aedes aegypti*), 2625
Bendell, J.F. see Naylor, B.J., 969
Bendell, J.F. see Innes, D.G.L., 1318
Bennett, G.F., and Peirce, M.A. The haemoproteids of the avian family Phasianidae, 1557

- Bennett, G.F.** see Bishop, M.A., 2676
- Bennett, G.F.** New species of haemoproteids from the avian families Paridae and Sittidae, 2685
- Bennett, G.F., and Peirce, M.A.** *Hepatozoon parus* n.sp. from the Paridae and redescription of *H. atticorae* (de Beaurepaire Aragão, 1911) Hoare, 1924 from the Hirundinidae, 2859
- Benton, M.J.** Energy budgets and reproductive ecologies of mayflies occupying disparate thermal environments, 2782
- Benz, G.W.** Developmental stages of *Alebion lobatus* Cressey, 1970 (Copepoda: Euryphoridae) found parasitic on the sandbar shark (*Carcharhinus plumbeus* (Nardo, 1827)) in the western North Atlantic, and a phylogenetic analysis of the genus *Alebion* Krøyer, 1863, 1578
- Bereson, R.C.** see Kroodsma, D.E., 447
- Berglund, I.** see Lundqvist, H., 1733
- Bergström, E.** see Rydevik, M., 942
- Bergström, R.** see Cederlund, G., 1516
- Betteridge, K.J.** see Desaulniers, D.M., 1148
- Beverley-Burton, M.** see Wheeler, T.A., 136
- Beverley-Burton, M.** see Wheeler, T.A., 706
- Beverley-Burton, M.** see Klassen, G.J., 1869
- Bilyj, B., and Davies, I.J.** Descriptions and ecological notes on seven new species of *Cladotanytarsus* (Chironomidae: Diptera) collected from an experimentally acidified lake, 948
- Bishop, M.A., and Bennett, G.F.** The haemoproteids of the avian order Strigiformes, 2676
- Blackmore, M.S.** The efficacy of melanotic encapsulation as a defense against parasite-induced mortality in snowpool mosquitoes (Diptera: Culicidae) infected by mermithid nematodes, 1725
- Blake, R.W.** see Harper, D.G., 1929
- Bleakney, J.S., and DeVenney, R.L.** Tissue solubilizer as an agent for isolating dense animal structures for scanning electron microscope examination, 981
- Błoszyk, J.** see Athias-Binche, F., 1482
- Boag, D.A.** see Wiggett, D.R., 42
- Boag, D.A.** see Dhindsa, M.S., 228
- Boag, D.A.** see Pattenden, R.K., 495
- Boag, D.A.** see Pattenden, R.K., 1084
- Boag, D.A.** see Wiggett, D.R., 1447
- Boag, P.T.** see Plante, Y., 158
- Boates, J.S., and Smith, P.C.** Crawling behaviour of the amphipod *Corophium volutator* and foraging by Semipalmated Sandpipers, *Calidris pusilla*, 457
- Boates, J.S., and Goss-Custard, J.D.** Foraging behaviour of oystercatchers *Haematopus ostralegus* during a diet switch from worms *Nereis diversicolor* to clams *Scrobicularia plana*, 2225
- Boertje, R.D.** see Gasaway, W.C., 325
- Boeuf, G., Uin, L.M., and Eales, J.G.** Plasma levels of free and bound thyroid hormones during parr-smolt transformation in Atlantic salmon, *Salmo salar* L., 1654
- Bogart, J.P.** see Lowcock, L.A., 350
- Bogart, J.P.** see Licht, L.E., 812
- Bogart, J.P.** see Lannoo, M.J., 1911
- Bolduc, F., and Fitzgerald, G.J.** The role of selected environmental factors and sex ratio upon egg production in threespine sticklebacks, *Gasterosteus aculeatus*, 2013
- Bolz, A.** see Stevens, T.A., 2592
- Bonnin, M., Mondain-Monval, M., Audy, M.C., and Scholler, R.** Basal and gonadotropin releasing hormone stimulated gonadotropin levels in the female red fox (*Vulpes vulpes* L.). Negative feedback of ovarian hormones during anoestrus, 759
- Borg, B.** see Lundqvist, H., 1733
- Bortolotti, G.R.** Factors influencing the growth of Bald Eagles in north central Saskatchewan, 606
- Bossart, G.D.** see Stevens, T.A., 2592
- Bouillon, D.R., and Dempson, J.B.** Metazoan parasite infections in landlocked and anadromous Arctic charr (*Salvelinus alpinus* Linnaeus), and their use as indicators of movement to sea in young anadromous charr, 2478
- Boulé, V., and Fitzgerald, G.J.** Effects of constant and fluctuating temperatures on egg production in the threespine stickleback (*Gasterosteus aculeatus*), 1599
- Bourbonnais, D.H.** see Spear, P.A., 908
- Bousfield, E.L., and Holsinger, J.R.** A new crangonyctid amphipod crustacean from hypogean fresh waters of Oregon, 963
- Boutilier, R.G.** Introduction, 2921
- Boutilier, R.G., and Ferguson, R.A.** Nucleated red cell function: metabolism and pH regulation, 2986
- Boutilier, R.G.** see McDonald, D.G., 3046
- Braekevelt, C.R.** Fine structure of the retinal epithelium, Bruch's membrane, and choriocapillaris of the pigeon (*Columba livia*), 795
- Bray, S.A.** see Scott, J.S., 1476
- Braza, F., and Alvarez, F.** Utilisation de l'habitat et organisation sociale du sanglier (*Sus scrofa* L.) à Doñana (Sud-Ouest de l'Espagne), 2047
- Brazeau, F.** see Thompson, I.D., 1816
- Bridges, C.R., and Morris, S.** Respiratory pigments: interactions between oxygen and carbon dioxide transport, 2971
- Brinckmann-Voss, A.** *Sarsia cliffordi* n.sp. (Cnidaria, Hydrozoa, Anthomedusae) from British Columbia, with distribution records and evaluation of related species, 685
- Brinkhurst, R.O.** A phylogenetic analysis of the Lumbriculidae (Annelida, Oligochaeta), 2731
- Brodeur, R.D.** Neustonic feeding by juvenile salmonids in coastal waters of the Northeast Pacific, 1995
- Brodsky, L.M., Ankney, C.D., and Dennis, D.G.** Social experience influences preferences in black ducks and mallards, 1434
- Brooks, D.R.** A summary of the database pertaining to the phylogeny of the major groups of parasitic platyhelminths, with a revised classification, 714
- Brooks, D.R.** see Macdonald, C.A., 1421
- Brooks, D.R.** see Macdonald, C.A., 2301
- Brooks, D.R.** Erratum: A summary of the database pertaining to the phylogeny of the major groups of parasitic platyhelminths, with a revised classification, 2607
- Brooks, D.R., Bandoni, S.M., Macdonald, C.A., and O'Grady, R.T.** Aspects of the phylogeny of the Trematoda Rudolphi, 1808 (Platyhelminthes: Cercohermnia), 2609
- Brooks, R.J.** see Shilton, C.M., 2740
- Brown, B.V.** Testing phylogenetic hypotheses: new species of *Gymnophora* Macquart (Diptera: Phoridae) from Japan and Nepal, with an updated world classification, 2543
- Brown, G.E.** see Chew, G.L., 641
- Brown, R.G.B., and Gaskin, D.E.** Summer zooplankton distributions at the surface of the outer Bay of Fundy, eastern Canada, 2725
- Brunet, M.** see Cuoc, C., 2569
- Brunet, M.** see Cuoc, C., 2579
- Brussard, P.F., Baughman, J.F., Murphy, D.D., Ehrlich, P.R., and Wright, J.** Complex population differentiation in checkerspot butterflies (*Euphydryas* spp.), 330

- Buech, R.R., Rugg, D.J., and Miller, N.L.** Temperature in beaver lodges and bank dens in a near-boreal environment, 1061
- Bunnell, F.L.** see Gillingham, M.P., 24
- Bunnell, F.L.** see Gillingham, M.P., 1353
- Burger, A.E.** see Piatt, J.F., 1523
- Burleson, M.L., and Smatresk, N.J.** The effect of decerebration and anesthesia on the reflex responses to hypoxia in catfish, 630
- Burns, J.A., and McGillivray, W.B.** A new prairie dog, *Cynomys churcherii*, from the Late Pleistocene of southern Alberta, 2633
- Burridge, M.** see Winterbottom, R., 2398
- Burt, M.D.B.** see Greaves, T.A., 502
- Bush, A.O.** see Bartlett, C.M., 612
- Butler, P.J.** Metabolic adjustments to breath holding in higher vertebrates, 3024
- Byard, E.H.** see Woods, R.A., 2422
- Bye, K.** see Halvorsen, O., 1200
- Byers, B.E.** see Kroodsma, D.E., 447
- Cade, W.H.** Nightly and hourly rates of attraction of flying field crickets, *Gryllus integer*, to conspecific song, 2540
- Caillol, M., Meunier, M., Mondain-Monval, M., and Simon, P.** Seasonal variations in testis size, testosterone and LH basal levels, and pituitary response to luteinizing hormone releasing hormone in the brown hare, *Lepus europaeus*, 1626
- Calhoon, R.E.** see Haspel, C., 178
- Cameron, J.N., and Iwama, G.K.** Compromises between ionic regulation and acid-base regulation in aquatic animals, 3078
- Campana, S.E.** Otolith microstructure of three larval gadids in the Gulf of Maine, with inferences on early life history, 1401
- Carré, C.** see Carré, D., 2169
- Carré, D., et Carré, C.** Acquisition de cnidocystes et différenciation de pseudocolloblastes chez les larves et les adultes de deux cétoophores du genre *Haeckelia* Carus, 1863, 2169
- Cary, J.R.** see Marcström, V., 658
- Case, R.** see Graf, R., 1112
- Castilho, F., Machado, J., Reis, M.L., and Sá, C.** Ultrastructural study of the embryonic and larval shell of *Anodontia cygnea*, 1659
- Ceballos, G.** see Hasson, O., 1203
- Cederlund, G., Bergström, R., and Sandegren, F.** Winter activity patterns of females in two moose populations, 1516
- Cerdeira, R.** see Périsse M., 775
- Chan, K.M., Davidson, W.S., Hew, C.L., and Fletcher, G.L.** Molecular cloning of metallothionein cDNA and analysis of metallothionein gene expression in winter flounder tissues, 2520
- Chant, D.A., and Yoshida-Shaul, E.** A world review of the *tiliarum* species group in the genus *Typhlodromus* Scheuten (Acari: Phytoseiidae), 1006
- Chardon, M.** see Rademaker, F., 2090
- Charif, R.A.** see Langbauer, W.R., Jr., 2604
- Charland, M.B.** Size and winter survivorship in neonatal western rattlesnakes (*Crotalus viridis*), 1620
- Chen, G.J., and Desser, S.S.** The Coccidia (Apicomplexa: Eimeriidae) of frogs from Algonquin Park, with descriptions of two new species, 1686
- Chew, G.L., and Brown, G.E.** Orientation of rainbow trout (*Salmo gairdneri*) in normal and null magnetic fields, 641
- Chia, F.-S.** see Gibson, G.D., 914
- Chia, F.-S.** see Qian, P.-Y., 2345
- Christian, D.P.** Effects of dietary sodium and potassium on mineral balance in captive meadow voles (*Microtus pennsylvanicus*), 168
- Chulakasem, W., Nelson, J.A., and Magnuson, J.J.** Interaction between effects of low pH and low ion concentration on mortality during early development of medaka, *Oryzias latipes*, 2158
- Churcher, C.S., Parmalee, P.W., Bell, G.L., and Lamb, J.P.** Caribou from the Late Pleistocene of northwestern Alabama, 1210
- Clapham, P.J.** see Mattila, D.K., 281
- Clapham, P.J.** see Mattila, D.K., 2201
- Clarke, J.T., Moore, S.E., and Ljungblad, D.K.** Observations on gray whale (*Eschrichtius robustus*) utilization patterns in the northeastern Chukchi Sea, July–October 1982–1987, 2646
- Cleator, H.J., Stirling, I., and Smith, T.G.** Underwater vocalizations of the bearded seal (*Erignathus barbatus*), 1900
- Cloutier, C.** see Hébert, C., 2384
- Coates, K.A.** see Southward, E.C., 2776
- Colbo, M.H.** *Simulium vittatum* (Simuliidae: Diptera), a black fly with a variable instar number, 1730
- Cole, L.J.** see Verspoor, E., 1453
- Conn, J., Rothfels, K.H., Procnier, W.S., and Hirai, H.** The *Simulium metallicum* species complex (Diptera: Simuliidae) in Latin America: a cytological study, 1217
- Conrad, K.F., and Pritchard, G.** Female dimorphism and physiological colour change in the damselfly *Argia vivida* Hagen (Odonata: Coenagrionidae), 298
- Cook, S.R.** see Proulx, G., 1074
- Cooke, K.** see Groot, C., 1670
- Coombs, K.** see Peterson, R.H., 1566
- Corkett, C.J.** see McLaren, I.A., 552
- Corkett, C.J.** see McLaren, I.A., 559
- Costa, D.P.** see Pernia, S.D., 1752
- Costanzo, J.P.** Effects of humidity, temperature, and submergence behavior on survivorship and energy use in hibernating garter snakes, *Thamnophis sirtalis*, 2486
- Coulon, J., Diano, M., Arsanto, J.-P., and Thouveny, Y.** Remodeling processes during anterior regeneration of *Owenia fusiformis* (Polychaeta, Annelida): a morphological and immunocytochemical survey, 994
- Cranford, J.A.** see Derting, T.L., 937
- Crawford, R.L., and Edwards, J.S.** Alpine spiders and harvestmen of Mount Rainier, Washington, U.S.A.: taxonomy and bionomics, 430
- Creelman, E.** see Piatt, J.F., 1523
- Cressey, H.B.** see Cressey, R., 2902
- Cressey, R., and Cressey, H.B.** A new species of *Orbitacolax* (Copepoda: Bomolochidae) and redescriptions of two additional species, 2902
- Crête, M.** Approximation of *K* carrying capacity for moose in eastern Quebec, 373
- Crête, M.** see Le Hénaff, D., 1102
- Crews, D.** see Krohmer, R.W., 987
- Crowl, T.A., and Alexander, J.E., Jr.** Parental care and foraging ability in male water bugs (*Belostoma flumineum*), 513
- Csizy, M.** see Frost, B.J., 1955
- Culp, J.M.** Nocturnally constrained foraging of a lotic minnow (*Rhinichthys cataractae*), 2008
- Cuoc, C., Arnaud, J., Brunet, M., et Mazza, J.** Structure, ultrastructure et essai d'interprétation fonctionnelle de l'appareil génital femelle d'*Hemidiaptomus ingens provinciae* et de *Mixodiaptomus kupelwieseri* (Copepoda, Calanoida). I. Les oviductes, 2569
- Cuoc, C., Arnaud, J., Brunet, M., et Mazza, J.** Structure, ultrastructure et essai d'interprétation fonctionnelle de l'appareil génital femelle d'*Hemidiaptomus ingens provinciae* et de *Mixodiaptomus kupelwieseri* (Copepoda, Calanoida). II. L'aire

- génitale, 2579
- Cusson, M., and McNeil, J.N.** Ovarian development in female armyworm moths, *Pseudalearia unipuncta*: its relationship with pheromone release activities, 1380
- Cywinska, A., and Davies, R.W.** Predation on the erpobdellid leech *Nephelopsis obscura* in the laboratory, 2689
- da Fonseca, D.** see Périssé, M., 775
- Dagg, A.I.** Research publications on Canadian mammals, 1971-1986, 779
- Dailey, T.V., and Hobbs, N.T.** Travel in alpine terrain: energy expenditures for locomotion by mountain goats and bighorn sheep, 2368
- Dardaillon, M.** Age-class influences on feeding choices of free-ranging wild boars (*Sus scrofa*), 2792
- Das, M.K., and Nelson, J.S.** Hybridization between northern redbelly dace (*Phoxinus eos*) and finescale dace (*Phoxinus neogaeus*) (Osteichthyes: Cyprinidae) in Alberta, 579
- Davidson, I.J.** see Thompson, I.D., 1816
- Davidson, W.S.** see Chan, K.M., 2520
- Davies, I.J.** see Bilyj, B., 948
- Davies, R.W.** see Linton, L.R., 55
- Davies, R.W.** see Cywinska, A., 2689
- Davies, R.W.** see Singhal, R.N., 2704
- Davis, R.A.** see McDonald, H.G., 1159
- Daza, M.** see Yates, L.R., 721
- de Buffrénil, V., Dziedzic, A., and Robineau, D.** Répartition et déplacements des Dauphins de Commerson (*Cephalorhynchus commersonii* (Lacépède, 1804)) dans un golfe des îles Kerguelen; données du marquage individuel, 516
- de Buffrénil, V., and Schoevaert, D.** Données quantitatives et observations histologiques sur la pachystose du squelette du dugong, *Dugong dugon* (Müller) (Sirenia, Dugongidae), 2107
- DeLong, R.L.** Feldkamp, S.D., 872
- de March, B.G.E.** Salinity tolerance of larval and juvenile broad whitefish (*Coregonus nasus*), 2392
- Dempson, J.B.** see Bouillon, D.R., 2478
- Deneka, T.** see Way, C.M., 357
- Dennis, D.G.** see Brodsky, L.M., 1434
- Denny, M.** A limpet shell shape that reduces drag: laboratory demonstration of a hydrodynamic mechanism and an exploration of its effectiveness in nature, 2098
- Derleth, E.L., McAuley, D.G., and Dwyer, T.J.** Avian community response to small-scale habitat disturbance in Maine, 385
- Derting, T.L., and Cranford, J.A.** Influence of photoperiod on postnatal growth, sexual development, and reproduction in a semifossorial microtine, *Microtus pinetorum*, 937
- Desaulniers, D.M., Goff, A.K., Betteridge, K.J., Rowell, J.E., and Flood, P.F.** Reproductive hormone concentrations in faeces during the oestrous cycle and pregnancy in cattle (*Bos taurus*) and muskoxen (*Ovibos moschatus*), 1148
- Desaulniers, D.M., King, W.A., Rowell, J.E., and Flood, P.F.** The banded chromosomes of the muskox (*Ovibos moschatus*), 1155
- Desser, S.S.** see Lom, J., 1372
- Desser, S.S.** see Chen, G.J., 1686
- Desser, S.S., and Barta, J.R.** *Nosema jirivavrai* n.sp. (Microsporea; Protozoa) from the leech *Batracobdella picta* in Ontario, 2640
- DeVenney, R.L.** see Bleakney, J.S., 981
- Dhindsa, M.S., Komers, P.E., and Boag, D.A.** Nest height of Black-billed Magpies: is it determined by human disturbance or habitat type?, 228
- Diano, M.** see Coulon, J., 994
- Dick, T.A.** see Shostak, A.W., 1462
- Dietz, T.H.** see Silverman, H., 198
- Dill, L.M., and Houtman, R.** The influence of distance to refuge on flight initiation distance in the gray squirrel (*Sciurus carolinensis*), 233
- Dilworth, T.G.** see McAlpine, D.F., 2244
- Dingle, H.** see Snyder, R.J., 2448
- Dixon, B.R., and Arai, H.P.** Differentiation of three species of *Hymenolepis* (Cestoidea) using enzyme isoelectric focusing on thin-layer agarose gels, 51
- Dixon, K.A.** Effect of leg type and sex on autotomy in the Texas bush katydid, *Scudderia texensis*, 1607
- Dorizzi, M.** see Servan, J., 1279
- Dorsey, E.M., Richardson, W.J., and Würsig, B.** Factors affecting surfacing, respiration, and dive behaviour of bowhead whales, *Balaena mysticetus*, summering in the Beaufort Sea, 1801
- Downe, A.E.R.** see Houseman, J.G., 864
- Downer, R.G.H.** see Martin, R.J., 1495
- Drabek, C.M.** Heart and ventricle weights of Antarctic penguins, 2602
- DuBois, S.D.** see Gasaway, W.C., 325
- Duffield, D.A.** see Stevens, T.A., 2592
- Dulude, A.-M., Baron, G., and McNeil, R.** Influence of the type of territorial intruder on the aggressive response of Ring-billed Gulls, 1249
- Duman, J.G.** see Kukal, O., 825
- Dutil, J.-D., Michaud, M., and Giroux, A.** Seasonal and diel patterns of stream invasion by American eels (*Anguilla rostrata*) in the northern Gulf of St. Lawrence, 182
- Dwyer, T.J.** see Derleth, E.L., 385
- Dyková, I.** see Lom, J., 1372
- Dziedzic A.** see de Buffrénil, V., 516
- Eales, J.G.** see Boeuf, G., 1654
- Eastman, M.D., Johnson, L.S., and Kermott, L.H.** Ectoparasitism of nestling House Wrens, *Troglodytes aedon*, by larvae of the blow fly *Protocalliphora braueri* (Diptera: Calliphoridae), 2358
- Ebsary, B.A., Vrain, T.C., and Graham, M.B.** Two new species of *Xiphinema* (Nematoda: Longidoridae) from British Columbia vineyards, 801
- Eckert, K.L.** see Eckert, S.A., 2834
- Eckert, S.A., Eckert, K.L., Ponganis, P., and Kooyman, G.L.** Diving and foraging behavior of leatherback sea turtles (*Dermochelys coriacea*), 2834
- Edgington, E.S.** see Linton, L.R., 55
- Edwards, J.S.** see Crawford, R.L., 430
- Ehrlich, P.R.** see Brussard, P.F., 330
- Ekker, M.** see Jenssen, B.M., 669
- Elsner, R., Wartzok, D., Sonafrank, N.B., and Kelly, B.P.** Behavioral and physiological reactions of arctic seals during under-ice pilotage, 2506
- Engren, E.** see Marcström, V., 658
- Eriksson, L.-O.** see Rydevik, M., 942
- Estes, R.A.** see Jackson, M.E., 2277
- Evans, D.O.** see Post, J.R., 521
- Evans, H.E.** see O'Neill, K.M., 2557
- Evans, W.S., McKenzie, C., Novak, M., and Howlader, H.** The effects of various maintenance conditions on the survival of hymenolepidid cysticercoids, 259
- Fahay, M.P., and Able, K.W.** White hake, *Urophycis tenuis*, in the Gulf of Maine: spawning seasonality, habitat use, and growth in young of the year and relationships to the Scotian Shelf population, 1715
- Fancy, S.G., Pank, L.F., Whitten, K.R., and Regelin, W.L.**

- Seasonal movements of caribou in arctic Alaska as determined by satellite, 644
- Farrell, A.P., Small, S., and Graham, M.S.** Effect of heart rate and hypoxia on the performance of a perfused trout heart, 274
- Fautin, D.G.** see Larson, R.J., 1543
- Fay, F.H., and Stephenson, R.O.** Annual, seasonal, and habitat-related variation in feeding habits of the arctic fox (*Alopex lagopus*) on St. Lawrence Island, Bering Sea, 1986
- Feldkamp, S.D., DeLong, R.L., and Antonelis, G.A.** Diving patterns of California sea lions, *Zalophus californianus*, 872
- Fenton, M.B.** Head size and the foraging behaviour of animal-eating bats, 2029
- Fenwick, J.C.** see Komourdjian, M.P., 1505
- Ferguson, R.A.** see Boutilier, R.G., 2986
- Ferron, J., and Ouellet, J.-P.** Temporal and intersexual variations in the use of space with regard to social organization in the woodchuck (*Marmota monax*), 1642
- Ferron, J., and Ouellet, J.-P.** Behavioural context and possible function of scent marking by cheek rubbing in the red squirrel (*Tamiasciurus hudsonicus*), 1650
- Fichet, É., and Pascal, M.** Marquage collectif de rongeurs sauvages au moyen de fluoromarqueurs vitaux des tissus calcifiés, 847
- FitzGerald, G.J.** see Poulin, R., 14
- FitzGerald, G.J.** see Boulé, V., 1599
- FitzGerald, G.J.** see Bolduc, F., 2013
- FitzGerald, G.J.** see Poulin, R., 2078
- FitzGerald, G.J.** see Whoriskey, F.G., 2126
- Fitzgerald, S.M.** see Barta, R.M., 2762
- Fletcher, G.L.** see Chan, K.M., 2520
- Flood, P.F.** Introduction, 1089
- Flood, P.F.** see Gray, D.R., 1134
- Flood, P.F., Stalker, M.J., and Rowell, J.E.** The hair follicle density and seasonal shedding cycle of the muskox (*Ovibos moschatus*), 1143
- Flood, P.F.** see Desaulniers, D.M., 1148
- Flood, P.F.** see Desaulniers, D.M., 1155
- Ford, J.K.B.** Acoustic behaviour of resident killer whales (*Orcinus orca*) off Vancouver Island, British Columbia, 727
- Forsberg, J.E.** see Nagorsen, D.W., 1394
- Foster, G.D.** see Moon, T.W., 2189
- Francis, C.M.** Notes on fruit bats (Chiroptera, Pteropodidae) from Malaysia and Brunei, with the description of a new subspecies of *Megaerops wetmorei* Taylor, 1934, 2878
- Freeman, S.** see Rohwer, F.C., 239
- Frost, B.J., Baldwin, P.J., and Csizy, M.** Auditory localization in the northern saw-whet owl, *Aegolius acadicus*, 1955
- Frost, B.W.** A taxonomy of the marine calanoid copepod genus *Pseudocalanus*, 525
- Frost, B.W.** see McLaren, I.A., 565
- Fruetel, M.** see Hoberg, E.P., 1489
- Fruetel, M., and Lankester, M.W.** Gastrointestinal helminths of woodland and barren ground caribou (*Rangifer tarandus*) in Canada, with keys to species, 2253
- Fuller, G.A.** see Plowright, R.C., 770
- Gach, M.H., and Reimchen, T.E.** Mitochondrial DNA patterns among endemic stickleback from the Queen Charlotte Islands: a preliminary survey, 1324
- Gage, L.J.** see Stevens, T.A., 2592
- Galloway, T.D.** see Tomalak, M., 2497
- Gasaway, W.C., DuBois, S.D., Boertje, R.D., Reed, D.J., and Simpson, D.T.** Response of radio-collared moose to a large burn in central Alaska, 325
- Gaskin, D.E.** see Murison, L.D., 1411
- Gaskin, D.E.** see Watts, P., 1832
- Gaskin, D.E.** see Brown, R.G.B., 2725
- Gee, C.** see Kent, K.S., 1573
- Geraci, J.R.** see St. Aubin, D.J., 263
- Giannico, G.R., and Nagorsen, D.W.** Geographic and sexual variation in the skull of Pacific coast marten (*Martes americana*), 1386
- Gibson, A.R., Smucny, D.A., and Kollar, J.** The effects of feeding and ecdysis on temperature selection by young garter snakes in a simple thermal mosaic, 19
- Gibson, G.D., and Chia, F.-S.** Description of a new species of *Haminoea*, *Haminoea callidegenita* (Mollusca: Opistobranchia), with a comparison with two other *Haminoea* species found in the northeast Pacific, 914
- Gillingham, M.P., and Bunnell, F.L.** Effects of learning on food selection and searching behaviour of deer, 24
- Gillingham, M.P., and Bunnell, F.L.** Black-tailed deer feeding bouts: dynamic events, 1353
- Giroux, A.** see Dutil, J.-D., 182
- Goddard, R.H.** see Silverman, H., 198
- Goff, A.K.** see Desaulniers, D.M., 1148
- Gooding, R.H.** Involvement of the X chromosome in fertility of male and female hybrids of *Glossina morsitans morsitans* and *Glossina morsitans centralis* (Diptera: Glossinidae), 869
- Goss, G.G.** see Playle, R.C., 314
- Goss-Custard, J.D.** see Boates, J.S., 2225
- Govind, C.K.** see Kent, K.S., 1573
- Graf, R., and Case, R.** Counting muskoxen in the Northwest Territories, 1112
- Graham, M.B.** see Ebsary, B.A., 801
- Graham, M.S.** see Farrell, A.P., 274
- Gray, C.A., Gray, P.N., and Pence, D.B.** Influence of social status on the helminth community of late-winter mallards, 1937
- Gray, D.R., Flood, P.F., and Rowell, J.E.** The structure and function of muskox preorbital glands, 1134
- Gray, P.N.** see Gray, C.A., 1937
- Greaves, T.A., Jarecka, L., and Burt, M.D.B.** On the life cycle of *Hymenolepis evaginata* Barker and Andrews, 1915 (Cestoda: Cyclophyllidea), a parasite of muskrats, *Ondatra zibethica* (L., 1766), 502
- Green, R.H.** see Hinch, S.G., 855
- Green, R.H.** see Hinch, S.G., 1895
- Greenberg, R.** Neophobia, aversion to open space, and ecological plasticity in Song and Swamp sparrows, 1194
- Greenwood, R.J.** see Johnson, D.H., 291
- Gregory, P.T.** see Macartney, J.M., 108
- Groot, C., Bailey, R.E., Margolis, L., and Cooke, K.** Migratory patterns of sockeye salmon (*Oncorhynchus nerka*) smolts in the Strait of Georgia, British Columbia, as determined by analysis of parasite assemblages, 1670
- Grossfield, J.** see Wirgin, I.I., 891
- Guinan, D.M., and Sealy, S.G.** Foraging-substrate use by house wrens nesting in natural cavities in a riparian habitat, 61
- Gunn, A., Miller, F.L., and McLean, B.** Evidence for and possible causes of increased mortality of bull muskoxen during severe winters, 1106
- Gunn, A.** see Jingfors, K., 1120
- Haas, G.E., Wilson, N., Osborne, T.O., Zarnke, R.L., Johnson, L., and Wolff, J.O.** Mammal fleas (Siphonaptera) of Alaska and Yukon Territory, 394
- Hailey, A.** How far do animals move? Routine movements in a tortoise, 208

- Hainsworth, F.R.** Wing movements and positioning for aerodynamic benefit by Canada geese flying in formation, 585
- Haldar, C., and Pandey, R.** Effect of pinealectomy on the testicular response of the freshwater snake *Natrix piscator* to different environmental factors, 2352
- Halvorsen, O., Skorping, A., and Bye, K.** Experimental infection of reindeer with *Elaphostrongylus* (Nematoda; Protostrongyliidae) originating from reindeer, red deer, and moose, 1200
- Hammill, M.O., and Smith, T.G.** Factors affecting the distribution and abundance of ringed seal structures in Barrow Strait, Northwest Territories, 2212
- Hannon, S.J.** see O'Reilly, P., 1263
- Hansen, G.L.** see Saunders, M.B., 1824
- Harestad, A.S.** see Andrusiak, L.A., 381
- Harestad, A.S., and Keisker, D.G.** Nest tree use by primary cavity-nesting birds in south central British Columbia, 1067
- Harper, D.G., and Blake, R.W.** On the error involved in high-speed film when used to evaluate maximum accelerations of fish, 1929
- Harrison, D.J.** see Litvaitis, J.A., 1180
- Harvey, H.H.** see Trippel, E.A., 2180
- Harvey, W.F. IV, Hepp, G.R., and Kennamer, R.A.** Body mass dynamics of wood ducks during incubation: individual variation, 570
- Hasegawa, H.** Redescription of *Cosmocercoides tridens* Wilkie, 1930 (Nematoda: Cosmocercidae), 1189
- Haspel, C., and Calhoon, R.E.** Home ranges of free-ranging cats (*Felis catus*) in Brooklyn, New York, 178
- Hass, C.C.** Bighorn lamb mortality: predation, inbreeding, and population effects, 669
- Hasson, O., Hibbard, R., and Ceballos, G.** The pursuit deterrent function of tail-wagging in the zebra-tailed lizard (*Callisaurus draconoides*), 1203
- Hauta, P.I.** see Lankester, M.W., 1966
- Hébert, C., Cloutier, C., Régnière, J., and Perry, D.F.** Seasonal biology of *Winthemia fumiferanae* Toth. (Diptera: Tachinidae), a larval-pupal parasitoid of the spruce budworm (Lepidoptera: Tortricidae), 2384
- Hébert, P., and Barrette, C.** Experimental demonstration that scent marking can predict dominance in the woodchuck, *Marmota monax*, 575
- Hebibli, N.** see Laurent P., 3055
- Heisler, N.** Interactions between gas exchange, metabolism, and ion transport in animals: an overview, 2923
- Hellgren, E.C., Vaughan, M.R., and Kirkpatrick, R.L.** Seasonal patterns in physiology and nutrition of black bears in Great Dismal Swamp, Virginia - North Carolina, 1837
- Henry, C.S., and Johnson, J.B.** Sexual singing in a non-chrysopelan green lacewing, *Chrysopella minora* Banks (Neuroptera: Chrysopidae), 1439
- Hepp, G.R.** see Harvey, W.F., 570
- Heraty, J.M.** Morphology of the mesosoma of *Kapala* (Hymenoptera: Eucharitidae) with emphasis on its phylogenetic implications, 115
- Herman, T.B.** see Pulsifer, M.D., 789
- Herman, T.B.** see Stewart, D.T., 2074
- Hew, C.L.** see Chan, K.M., 2520
- Hewlett, K.G.** see Stevens, T.A., 2592
- Hibbard, R.** see Hasson, O., 1203
- Higgins, R.P., and Korczynski, R.E.** Two new species of *Pycnophyes* (Homalorhagida, Kinorhyncha) from the Canadian coast of the Beaufort Sea, 2056
- Hinch, S.G., and Green, R.H.** The effects of source and destination on growth and metal uptake in freshwater clams reciprocally transplanted among south central Ontario lakes, 855
- Hinch, S.G., Kelly, L.J., and Green, R.H.** Morphological variation of *Elliptio complanata* (Bivalvia: Unionidae) in differing sediments of soft-water lakes exposed to acidic deposition, 1895
- Hirai, H.** see Conn, J., 1217
- Hirsch, K.F.** see Packard, M.J., 746
- Hobbs, N.T.** see Dailey, T.V., 2368
- Hoberg, E.P., and Ryan, P.G.** Ecology of helminth parasitism in *Puffinus gravis* (Procellariiformes) on the breeding grounds at Gough Island, 220
- Hoberg, E.P.** see Johnson, M.R., 1471
- Hoberg, E.P., Fructel, M., and Rickard, L.G.** Synlophe of *Nematodirus odocoilei* (Trichostrongyoidea) from deer and caribou in North America with comments on the evolution of *Nematodirus* spp. among the Cervidae (Artiodactyla), 1489
- Hoberg, E.P.** see Johnson, M.R., 2917
- Hoff, K.v.S., Huq, N., King, V.A., and Wassersug, R.J.** The kinematics of larval salamander swimming (Ambystomatidae: Caudata), 2756
- Hogans, W.E., and Trudeau, D.J.** *Alebion crassus* Wilson, 1932 (Copepoda: Caligoida) from the sand tiger shark, *Eugomphodus taurus* (Rafinesque), in the upper Bay of Fundy, 774
- Hogans, W.E., and Trudeau, D.J.** *Caligus elongatus* (Copepoda: Caligoida) from Atlantic salmon (*Salmo salar*) cultured in marine waters of the Lower Bay of Fundy, 1080
- Holekamp, K.E., and Nunes, S.** Seasonal variation in body weight, fat, and behavior of California ground squirrels (*Spermophilus beecheyi*), 1425
- Holleman, D.F., and White, R.G.** Determination of digesta fill and passage rate from nonabsorbed particulate phase markers using the single dosing method, 488
- Holleman, D.F.** see White, R.G., 1125
- Holloway, H.L., Jr.** see Leno, G.H., 2853
- Holm, E.** Improved technique for fish specimen photography in the field, 2329
- Holopainen, I.J.** see Tonn, W.M., 2841
- Holsinger, J.R.** see Bousfield, E.L., 963
- Hornbach, D.J.** see Way, C.M., 357
- Houseman, J.G., Philogene, B.J.R., and Downe, A.E.R.** Partial characterization of proteinase activity in the larval midgut of the European corn borer, *Ostrinia nubilalis* Hübner (Lepidoptera: Pyralidae), 864
- Houtman, R.** see Dill, L.M., 233
- Howlader, H.** see Evans, W.S., 259
- Howland, H.C.** see Ballard, K.A., 469
- Howland, H.C.** see Nellis, D.W., 2814
- Hoysak, D.J.** see Weatherhead, P.J., 463
- Hudson, R.J.** see Renecker, L.A., 1923
- Hughes, G.W.** see Peden, A.E., 2711
- Hughes, M.R.** Extracellular fluid volume and the initiation of salt gland secretion in ducks and gulls, 194
- Hungle, D.J.** see Schmutz, J.K., 2596
- Huntley, A.C.** see Le Boeuf, B.J., 2514
- Huot, J.** Body composition of the George River caribou (*Rangifer tarandus caribou*) in fall and late winter, 103
- Hug, N.** see Hoff, K.v.S., 2756
- Hyatt, K.D., and Ringler, N.H.** Egg cannibalism and the reproductive strategies of threespine sticklebacks (*Gasterosteus aculeatus*) in a coastal British Columbia lake, 2036
- Innes, D.G.L., and Bendell, J.F.** The effects on small-mammal populations of aerial applications of *Bacillus thuringiensis*,

- fenitrothion, and Matacil® used against jack pine budworm in Ontario, 1318
- Iverson, S.L. see Vickery, W.L., 8
- Iwama, G.K., McGeer, J.C., and Pawluk, M.P. The effects of five fish anaesthetics on acid - base balance, hematocrit, blood gases, cortisol, and adrenaline in rainbow trout, 2065
- Iwama, G.K. see Cameron, J.N., 3078
- Jackson, D.A., and Somers, K.M. Are probability estimates from the permutation model of Mantel's test stable?, 766
- Jackson, M.E., Scott, D.E., and Estes, R.A. Determinants of nest success in the marbled salamander (*Ambystoma opacum*), 2277
- Janzen, F.J. see Paukstis, G.L. 1082
- Jarecka, L. see Greaves, T.A., 502
- Jelinski, D.E. Seasonal differences in habitat use and fat reserves in an arctic muskrat population, 305
- Jenks, J.A., and Leslie, D.M., Jr. Digesta retention of winter diets in white-tailed deer (*Odocoileus virginianus*) fawns in Maine, U.S.A., 1500
- Jensen, W.F., Seabloom, R.W., and McKenzie, J.V. Aberrant horn growth and masculine behavior in a female bighorn sheep from the North Dakota badlands, 1602
- Jenssen, B.M., Ekker, M., and Bech, C. Thermoregulation in winter-acclimatized common eiders (*Somateria mollissima*) in air and water, 669
- Jessome, V. see Packer, L., 2864
- Jessome, V. see Packer, L., 2871
- Jingfors, K., and Gunn, A. The use of snowmobiles in the drug immobilization of muskoxen, 1120
- Johnson, D.H., Sargeant, A.B., and Greenwood, R.J. Importance of individual species of predators on nesting success of ducks in the Canadian Prairie Pothole Region, 291
- Johnson, J.B. see Henry, C.S., 1439
- Johnson, L. see Haas, G.E., 394
- Johnson, L.S. see Eastman, M.D., 2358
- Johnson, M.L. Exploratory behavior and dispersal: a graphical model, 2325
- Johnson, M.R., and Hoberg, E.P. Differentiation of *Moniezia expansa* and *Moniezia benedeni* (Eucestoda: Cyclophyllidae) by isoelectric focusing, 1471
- Johnson, M.R., and Hoberg, E.P. Erratum: Differentiation of *Moniezia expansa* and *Moniezia benedeni* (Eucestoda: Cyclophyllidae) by isoelectric focusing, 2917
- Johnston, N.T., and Northcote, T.G. Life-history variation in *Neomysis mercedis* Holmes (Crustacea, Mysidacea) in the Fraser River estuary, British Columbia, 363
- Jorgenson, J.T. see Samson, J., 2493
- Joswiak, G.R., and New, J.G. Multivariate analysis of the hybrid *Phoxinus eos* × *Phoxinus neogaeus* (Pisces: Cyprinidae): reevaluation of univariate analysis, 1637
- Kabata, Z., and Whitaker, D.J. *Kudoa thysrites* (Gilchrist, 1924) (Myxozoa) in the cardiac muscle of Pacific salmon (*Oncorhynchus* spp.) and steelhead trout (*Salmo gairdneri*), 341
- Kaiser, H. see Reiswig, H.M., 674
- Kaloyianni, M., and Lazaridou-Dimitriadou, M. Nitrogen excretion and the uricolytic enzymatic system in the nephridia and hepatopancreas of the snail *Xeropicta arenosa*, 2473
- Kapoor, N.N. Distribution and innervation of sensilla on the mouthparts of the carnivorous stonefly nymph, *Paragnetina media* (Walker) (Plecoptera: Perlidae), 831
- Karpan, C.M. see MacArthur, R.A., 1783
- Kastritis, C.D. see Thomopoulos, G.N., 421
- Katona, S.K. see Mattila, D.K., 281
- Kavaliers, M. Polymorphism in opioid modulation of the thermal responses of the land snail *Cepaea nemoralis*, 2721
- Kehoe, F.P. The adaptive significance of crèching behaviour in the white-winged scoter (*Melanitta fusca deglandi*), 406
- Keisker, D.G. see Harestad, A.S., 1067
- Keith, L.B. see Marcström, V., 658
- Keith, L.B. see Barta, R.M., 2762
- Kelly, B.P. see Elsner, R., 2506
- Kelly, L.J. see Hinch, S.G., 1895
- Kennamer, R.A. see Harvey, W.F., 570
- Kennedy, P.K. see Lydeard, C., 2021
- Kent, K.S., Pearce, J., Gee, C., and Govind, C.K. Regenerative fidelity in the paired claw closer muscles of lobsters, 1573
- Kermott, L.H. see Eastman, M.D., 2358
- Kim, S.L., and Oliver, J.S. Swarming benthic crustaceans in the Bering and Chukchi seas and their relation to geographic patterns in gray whale feeding, 1531
- King, J.R. see Murphy, M.E., 1311
- King, V.A. see Hoff, K. v.S., 2756
- King, W.A. see Desaulniers, D.M., 1155
- King, W.J. Spacing of female kin in Columbian ground squirrels (*Spermophilus columbianus*), 91
- Kingsolver, J.G., and Koehl, M.A.R. Selective factors in the evolution of insect wings: response to Kukalová-Peck, 785
- Kirkpatrick, R.L. see Hellgren, E.C., 1837
- Klassen, G.J., Beverley-Burton, M., and Locke, A. A revision of *Entobdella* Blainville (Monogenea: Capsalidae) with particular reference to *E. hippoglossi* and *E. squamula*: the use of ratios in taxonomy and key to species, 1869
- Klein, D.R., and Thing, H. Chemical elements in mineral licks and associated muskoxen feces in Jameson Land, northeast Greenland, 1092
- Koehl, M.A.R. see Kingsolver, J.G., 785
- Kollar, J. see Gibson, A.R., 19
- Komers, P.E. see Dhindsa, M.S., 228
- Komourdjian, M.P., Fenwick, J.C., and Saunders, R.L. Endocrine-mediated photostimulation of growth in Atlantic salmon, 1505
- Kooyman, G.L. see Eckert, S.A., 2834
- Korczynski, R.E. see Higgins, R.P., 2056
- Korn, H. A feeding experiment with 6-methoxybenzoxazolinone and a wild population of the deer mouse (*Peromyscus maniculatus*), 2220
- Krause, R.E. see MacArthur, R.A., 2194
- Kreeger, T.J., Monson, D., Kuechle, V.B., Seal, U.S., and Tester, J.R. Monitoring heart rate and body temperature in red foxes (*Vulpes vulpes*), 2455
- Krohmer, R.W., and Crews, D. Control of length of the courtship season in the red-sided garter snake, *Thamnophis sirtalis parietalis*: the role of temperature, 987
- Krohne, D.T. Demographic characteristics of *Peromyscus leucopus* inhabiting a natural dispersal sink, 2321
- Kroodsma, D.E., Bereson, R.C., Byers, B.E., and Minear, E. Use of song types by the Chestnut-sided Warbler: evidence for both intra- and inter-sexual functions, 447
- Kuechle, V.B. see Kreeger, T.J., 2455
- Kukal, O., and Duman, J.G. Switch in the overwintering strategy of two insect species and latitudinal differences in cold hardiness, 825
- Kunz, T.H. see Kurta, A., 2468
- Kuris, A.M. see Shields, J.D., 923
- Kurta, A., Bell, G.P., Nagy, K.A., and Kunz, T.H. Water balance of free-ranging little brown bats (*Myotis lucifugus*) dur-

- ing pregnancy and lactation, 2468
- Laberge, E.** see McLaren, I.A., 552
- Laberge, R.J.A., and McLaughlin, J.D.** *Hyalella azteca* (Amphipoda) as an intermediate host of the nematode *Streptocara crassicauda*, 2335
- Lagerquist, B.A., and Ankney, C.D.** Interspecific differences in bill and tongue morphology among diving ducks (*Aythya* spp., *Oxyura jamaicensis*), 2694
- Lamb, J.P.** see Churcher, C.S., 1210
- Lambert, G.** A new species of the compound ascidian *Eudistoma* (Asciidae, Polycitoridae) from the northeastern Pacific, 2700
- Langbauer, W.R. Jr., Payne, K.B., Charif, R.A., and Thomas, E.M.** Responses of captive African elephants to playback of low-frequency calls, 2604
- Lankester, M.W., and Hauta, P.L.** *Parelaphostrongylus andersoni* (Nematoda: Protostrongylidae) in caribou (*Rangifer tarandus*) of northern and central Canada, 1966
- Lankester, M.W.** see Fruetel, M., 2253
- Lannoo, M.J., Lowcock, L., and Bogart, J.P.** Sibling cannibalism in noncannibal morph *Ambystoma tigrinum* larvae and its correlation with high growth rates and early metamorphosis, 1911
- Lanthier, C.** see Mortola, J.P., 483
- Larsen, J.H., Jr.** see Miller, B.T., 2414
- Larsen, K.W.** see Macartney, J.M., 108
- Larson, D.J.** see Wiggins, G.B., 1550
- Larson, R.J., and Fautin, D.G.** Stauromedusae of the genus *Manania* (= *Thaumatostyphus*) (Cnidaria, Scyphozoa) in the northeast Pacific, including descriptions of new species *Manania gwilliami* and *Manania handi*, 1543
- Lasee, B.A.** Seasonal population dynamics and maturation of *Neoechinorhynchus pungitius* (Acanthocephala: Neoechinorhynchidae) infecting brook stickleback, *Culaea inconstans*, from Sioux Creek, Wisconsin, U.S.A., 590
- Laufer, H.** see Vafopoulou, X., 2528
- Laurent, P., and Hebibi, N.** Gill morphometry and fish osmoregulation, 3055
- Lavigne, D.M.** see Stewart, R.E.A., 2147
- Lazaridou-Dimitriadou, M.** see Kaloyianni, M., 2473
- Leatherland, J.F.** see Vijayan, M.M., 2746
- Lebeau, B., and Pageau, G.** Comparative urogenital morphology and external sex determination in muskellunge, *Esox masquinongy* Mitchell, 1053
- Le Boeuf, B.J., Naito, Y., Huntley, A.C., and Asaga, T.** Prolonged, continuous, deep diving by northern elephant seals, 2514
- Lechleitner, R.A., Audsley, N., and Phillips, J.E.** Antidiuretic action of cyclic AMP, corpus cardiacum, and ventral ganglia on fluid absorption across locust ileum in vitro, 2655
- Lechleitner, R.A., Audsley, N., and Phillips, J.E.** Composition of fluid transported by locust ileum: influence of natural stimulants and luminal ion ratios, 2662
- Lechleitner, R.A., and Phillips, J.E.** Effect of corpus cardiacum, ventral ganglia, and proline on absorbate composition and fluid transport by locust hindgut, 2669
- Le Hénaff, D., and Crête, M.** Introduction of muskoxen in northern Quebec: the demographic explosion of a colonizing herbivore, 1102
- Leno, G.H., and Holloway, H.L., Jr.** The occurrence of *Diplostomum spathaceum* metacercariae in the freshwater drum, *Aplodinotus grunniens*, 2853
- Leslie, D.M., Jr.** see Jenks, J.A., 1500
- Lewengrub, S., Rudzinska, M.A., Piesman, J., Spielman, A., and Zung, J.** The influence of heat on the development of *Babesia microti* in unfed nymphs of *Ixodes dammini*, 1510
- Lewengrub, S.** see Zung, J.L., 1737
- Licht, L.E., and Bogart, J.P.** Growth and sexual maturation in diploid and polyploid salamanders (genus *Ambystoma*), 812
- Lichtenfels, J.R.** see Rickard, L.G., 1708
- Light, J.T.** see Quinn, T.P., 2850
- Lindquist, E.E., Walter, D.E.** *Antennoseius (Vitzthumia) janus* n.sp. (Acari: Ascidae), a mesostigmatic mite exhibiting adult female dimorphism, 1291
- Lindquist, E.E.** see Walter, D.E., 2797
- Linton, L.R., Edgington, E.S., and Davies, R.W.** A view of niche overlap amenable to statistical analysis, 55
- Linzey, A.V.** Response of the white-footed mouse (*Peromyscus leucopus*) to the transition between disturbed and undisturbed habitats, 505
- Litvaitis, J.A., and Harrison, D.J.** Bobcat - coyote niche relationships during a period of coyote population increase, 1180
- Ljungblad, D.K.** see Clarke, J.T., 2646
- Locke, A.** see Klassen, G.J., 1869
- Lockerbie, C.** see Packer, L., 2864
- Lockerbie, C.** see Packer, L., 2871
- Loeb, S.C., and Schwab, R.G.** An evaluation of three methods for determining diet quality of free-ranging small herbivorous mammals, 96
- Lom, J., Desser, S.S., and Dyková, I.** Some little-known and new protozoan parasites of fish from Lake Sasajewun, Algonquin Park, Ontario, 1372
- Lom, J.** see Poynton, S.L., 1793
- Lowcock, L.** see Lannoo, M.J., 1911
- Lowcock, L.A., and Bogart, J.P.** Electrophoretic evidence for multiple origins of triploid forms in the *Ambystoma laterale - jeffersonianum* complex, 350
- Lowcock, L.A.** see Zeyl, C.W., 2376
- Lund, W.A., Jr.** see Walsh, W.A., 1613
- Lund, W.A., Jr.** see Walsh, W.A., 2857
- Lundqvist, H.** see Rydevik, M., 942
- Lundqvist, H., Borg, B., and Berglund, I.** Androgens impair seawater adaptability in smolting Baltic salmon (*Salmo salar*), 1733
- Lutz, P.L.** Interaction between hypometabolism and acid-base balance, 3018
- Lydeard, C., Mulvey, M., Aho, J.M., and Kennedy, P.K.** Genetic variability among natural populations of the liver fluke *Fascioloides magna* in white-tailed deer, *Odocoileus virginianus*, 2021
- Lyons, J.** Changes in the abundance of small littoral-zone fishes in Lake Mendota, Wisconsin, 2910
- MacArthur, R.A.** Energy metabolism and thermoregulation of beaver (*Castor canadensis*), 651
- MacArthur, R.A.** see Sutter, G.C., 1339
- MacArthur, R.A., and Karpan, C.M.** Heart rates of muskrats diving under simulated field conditions: persistence of the bradycardia response and factors modifying its expression, 1783
- MacArthur, R.A., and Krause, R.E.** Energy requirements of freely diving muskrats (*Ondatra zibethicus*), 2194
- Macartney, J.M., Larsen, K.W., and Gregory, P.T.** Body temperatures and movements of hibernating snakes (*Crotalus* and *Thamnophis*) and thermal gradients of natural hibernacula, 108
- Macdonald, C.A., and Brooks, D.R.** Redescription of *Pseudotelorichis compactus* (Cable and Sanborn, 1970) Yamaguti, 1971 (Cercopteria: Trematoda: Digenea: Plagiophoriformes) with discussion of its phylogenetic affinities, 1421

- Macdonald, C.A., and Brooks, D.R.** Revision and phylogenetic analysis of the North American species of *Telorchis* Luehe, 1899 (Cercoptera: Trematoda: Digenea: Telorchiidae), 2301
- Macdonald, C.A.** see Brooks, D.R., 2609
- Machado, J.** see Castilho, F., 1659
- MacInnes, C.D., Misra, R.K., and Prevett, J.P.** Differences in growth parameters of Ross' Geese and Snow Geese: evidence from hybrids, 286
- Mackey, R.L., and Barclay, R.M.R.** The influence of physical clutter and noise on the activity of bats over water, 1167
- Magnuson, J.J.** see Chulakasem, W., 2158
- Malecha, J., Verger-Bocquet, M., Tramu, G.** Mise en évidence et évolution, au cours du cycle biologique, de neurones producteurs d'une substance apparentée à la motilin porcine dans le ganglion supraoesophagien de la sangsue *Theromyzon tessulatum*, 636
- Mallory, F.F.** see Rathmann, N.P., 1363
- Malone, K.M.B.** see Woods, R.A., 2422
- Manicardi, G.C.** Two new species of soil moss eutardigrades (Tardigrada) from Canada, 2282
- Manzanilla, S.R.** The 1982-1983 El Niño event recorded in dental growth layers in teeth of Peruvian dusky dolphins (*Lagenorhynchus obscurus*), 2120
- Mareström, V., Keith, L.B., Engren, E., and Cary, J.R.** Demographic responses of arctic hares (*Lepus timidus*) to experimental reductions of red foxes (*Vulpes vulpes*) and martens (*Martes martes*), 658
- Margolis, L.** see Groot, C., 1670
- Margolis, L.** see Bailey, R.E., 1757
- Marinelli, L., and Millar, J.S.** The ecology of beach-dwelling *Peromyscus maniculatus* on the Pacific Coast, 412
- Martin, R.J., and Downer, R.G.H.** N-acetylation of *p*-octopamine by Malpighian tubules and other tissues of the American cockroach, *Periplaneta americana* L., *in vitro*, 1495
- Mattila, D.K., Clapham, P.J., Katona, S.K., and Stone, G.S.** Population composition of humpback whales, *Megaptera novaeangliae*, on Silver Bank, 1984, 281
- Mattila, D.K., and Clapham, P.J.** Humpback whales, *Megaptera novaeangliae*, and other cetaceans on Virgin Bank and in the northern Leeward Islands, 1985 and 1986, 2201
- Mazza, J.** see Cuoc, C., 2569
- Mazza, J.** see Cuoc, C., 2579
- McAllister, C.T., and Upton, S.J.** The Coccidia (Apicomplexa: Eimeriidae) of Testudines, with descriptions of three new species, 2459
- McAlpine, D.F., and Dilworth, T.G.** Microhabitat and prey size among three species of *Rana* (Anura: Ranidae) sympatric in eastern Canada, 2244
- McAuley, D.G.** see Derleth, E.L., 385
- McDaniel, L.L.** see Packard, G.C., 828
- McDaniel, P.L.** see Packard, G.C., 828
- McDonald, D.G., Tang, Y., and Boutilier, R.G.** Acid and ion transfer across the gills of fish: mechanisms and regulation, 3046
- McDonald, H.G., and Davis, R.A.** Fossil muskoxen of Ohio, 1159
- McFarland, W.N.** see Nellis, D.W., 2814
- McGeer, J.C.** see Iwama, G.K., 2065
- McGillivray, W.B.** see Burns, J.A., 2633
- McKenzie, C.** see Evans, W.S., 259
- McKenzie, J.V.** see Jensen, W.F., 1602
- McKeown, B.A.** see Bates, D.J., 1246
- McLagan, R.L.** see Piatt, J.F., 1523
- McLaren, I.A., Laberge, E., Corkett, C.J., and Sévigny, J.-M.** Life cycles of four species of *Pseudocalanus* in Nova Scotia, 552
- McLaren, I.A., Sévigny, J.-M., and Corkett, C.J.** Temperature-dependent development in *Pseudocalanus* species, 559
- McLaren, I.A., Sévigny, J.-M., and Frost, B.W.** Evolutionary and ecological significance of genome sizes in the copepod genus *Pseudocalanus*, 565
- McLaughlin, J.D.** *Echinocotyle capensis* n.sp. (Cestoda: Hymenolepididae) from South African waterfowl, 1749
- McLaughlin, J.D.** see Laberge, R.J.A., 2335
- McLay, H.A.** see Youngson, A.F., 1851
- McLean, B.** see Gunn, A., 1106
- McLellan, B.N.** Dynamics of a grizzly bear population during a period of industrial resource extraction. I. Density and age-sex composition, 1856
- McLellan, B.N.** Dynamics of a grizzly bear population during a period of industrial resource extraction. II. Mortality rates and causes of death, 1861
- McLellan, B.N.** Dynamics of a grizzly bear population during a period of industrial resource extraction. III. Natality and rate of increase, 1865
- McLennan, D.A., and McPhail, J.D.** Experimental investigations of the evolutionary significance of sexually dimorphic nuptial colouration in *Gasterosteus aculeatus* (L.): temporal changes in the structure of the male mosaic signal, 1767
- McLennan, D.A., and McPhail, J.D.** Experimental investigations of the evolutionary significance of sexually dimorphic nuptial colouration in *Gasterosteus aculeatus* (L.): the relationship between male colour and male behaviour, 1778
- McMahon, R.F.** see Williams, C.J., 82
- McNeil, J.N.** see Cusson, M., 1380
- McNeil, R.** see Dulude, A.-M., 1249
- McNeill, M.A.** see Messier, F., 216
- McPhail, J.D.** see McLennan, D.A., 1767
- McPhail, J.D.** see McLennan, D.A., 1778
- McPhee, M.J., and Wilkens, J.L.** Serotonin, but not dopamine or octopamine, modifies locomotor and phototoxic behavior of the crab, *Carcinus maenas*, 391
- Menkens, G.E., Jr., and Anderson, S.H.** Temporal - spatial variation in white-tailed prairie dog demography and life histories in Wyoming, 343
- Mercer, V.** see Piatt, J.F., 1523
- Messier, F., Rau, M.E., and McNeill, M.A.** *Echinococcus granulosos* (Cestoda: Taeniidae) infections and moose - wolf population dynamics in southwestern Quebec, 216
- Methven, D.A.** see Piatt, J.F., 1523
- Mettrick, D.F.** see Thompson, C.S., 1257
- Meunier, M.** see Caillol, M., 1626
- Michaud, M.** see Dutil, J.-D., 182
- Michener, G.R.** Sexual differences in interyear survival and life-span of Richardson's ground squirrels, 1827
- Mihok, S.** see Vickery, W.L., 8
- Millar, J.S.** see Marinelli, L., 412
- Millar, J.S.** see Xia, X., 1047
- Miller, B.T.** see Murphy, M.E., 1311
- Miller, B.T., and Larsen, J.H., Jr.** Feeding performance in aquatic postmetamorphic newts (Urodela: Salamandridae): Are bidirectional flow systems necessarily inefficient?, 2414
- Miller, F.L.** see Gunn, A., 1106
- Miller, G.L.** Subsocial organization and behavior in broods of the obligate burrowing wolf spider *Geolycosa turricula* (Treat), 819
- Miller, G.W.** see Stewart, R.E.A., 2147
- Miller, N.L.** see Buech, R.R., 1061

- Milligan, C.L.** see Walsh, P.J., 2994
- Milsom, W.K.** Mechanisms of ventilation in lower vertebrates: adaptations to respiratory and nonrespiratory constraints, 2943
- Minar, E.** see Kroodsma, D.E., 447
- Misra, R.K.** see MacInnes, C.D., 286
- Mitchell, L.G.** Myxobolid parasites (Myxozoa: Myxobolidae) infecting fishes of western Montana, with notes on histopathology, seasonality, and intraspecific variation, 1915
- Mondain-Monval, M.** see Bonnin, M., 759
- Mondain-Monval, M.** see Caillol, M., 1626
- Monson, D.** see Kreger, T.J., 2455
- Moon, T.W.** see Spear, P.A., 908
- Moon, T.W., Foster, G.D., and Plisetskaya, E.M.** Changes in peptide hormones and liver enzymes in the rainbow trout deprived of food for 6 weeks, 2189
- Moore, S.E.** see Clarke, J.T., 2646
- Morgan, A.V.** Late Pleistocene zoogeographic shifts and new collecting records for *Helophorus arcticus* Brown (Coleoptera: Hydrophilidae) in North America, 1171
- Morris, S.** see Bridges, C.R., 2971
- Morrison, K.F.** see Nagorsen, D.W., 1394
- Morrison, M.L., and Anthony, R.G.** Habitat use by small mammals on early-growth clear-cuttings in western Oregon, 805
- Mortola, J.P., and Lanthier, C.** Normoxic and hypoxic breathing pattern in newborn grey seals, 483
- Mrosovsky, N., and Provancha, J.** Sex ratio of loggerhead sea turtles hatching on a Florida beach, 2533
- Mukai, S.T., and Saleuddin, A.S.M.** Mating increases the synthetic activity of the neurosecretory caudodorsal cells of *Helisoma duryi* (Mollusca: Pulmonata), 2363
- Mulvey, M.** see Lydeard, C., 2021
- Murison, L.D., and Gaskin, D.E.** The distribution of right whales and zooplankton in the Bay of Fundy, Canada, 1411
- Murphy, D.D.** see Brussard, P.F., 330
- Murphy, M.E., Miller, B.T., and King, J.R.** A structural comparison of fault bars with feather defects known to be nutritionally induced, 1311
- Murray, C.B., and Beacham, T.D.** Responses of meristic characters in chum salmon (*Oncorhynchus keta*) to temperature changes during development, 596
- Murray, C.B.** see Beacham, T.D., 2081
- Muzzall, P.M.** Endohelminths of salmonids from two localities in eastern Lake Michigan, with emphasis on *Echinorhynchus salmonis*, 1604
- Nagorsen, D.W.** see Giannico, G.R., 1386
- Nagorsen, D.W., Morrison, K.F., and Forsberg, J.E.** Winter diet of Vancouver Island marten (*Martes americana*), 1394
- Nagy, K.A.** see Kurta, A., 2468
- Naito, Y.** see Le Boeuf, B.J., 2514
- Nams, V.O.** A technique to determine the behavior of a radiotagged animal, 254
- Nams, V.O.** Effects of radiotelemetry error on sample size and bias when testing for habitat selection, 1631
- Naylor, B.J., and Bendell, J.F.** Clutch size and egg size of spruce grouse in relation to spring diet, food supply, and endogenous reserves, 969
- Nellis, D.W., Sivak, J.G., McFarland, W.N., and Howland, H.C.** Characteristics of the eye of the Indian mongoose (*Herpestes auropunctatus*), 2814
- Nelson, J.A.** see Chulakasem, W., 2158
- Nelson, J.S.** see Das, M.K., 579
- Neophytou, E.P.** see Thomopoulos, G.N., 421
- New, J.G.** see Joswiak, G.R., 1637
- Nikinmaa, M., and Tufts, B.L.** Regulation of acid and ion transfer across the membrane of nucleated erythrocytes, 3039
- Nimrich, M.** see Sudhaus, W., 1347
- Nol, E.** see Taylor, G.M., 1877
- Nombrado, S.** see Novak, M., 226
- Northcote, T.G.** see Johnston, N.T., 363
- Novak, M., and Nombrado, S.** An improved method for staining mouse mast cells, 226
- Novak, M.** see Evans, W.S., 259
- Novak, M., Taylor, W.R., and Pip, E.** Interspecific variation of isoenzyme patterns in four *Hymenolepis* species (Cestoda), 2052
- Nudds, T.D.** see Beattie, L.A., 475
- Nunes, S.** see Holekamp, K.E., 1425
- O'Donnell, S.** see Thompson, I.D., 1816
- O'Grady, R.T.** see Brooks, D.R., 2609
- Olesen, C.R., and Thing, H.** Guide to field classification by sex and age of the muskox, 1116
- Oliver, J.S.** see Kim, S.L., 1531
- Olszanowski, Z.** see Athias-Binche, F., 1482
- O'Neill, K.M., Evans, H.E., and O'Neill, R.P.** Phenotypic correlates of mating success in the sand wasp *Bembecinus quinquespinosus* (Hymenoptera: Sphecidae), 2557
- O'Neill, R.P.** see O'Neill, K.M., 2557
- O'Reilly, P., and Hannon, S.J.** Predation of simulated willow ptarmigan nests: the influence of density and cover on spatial and temporal patterns of predation, 1263
- Ortiz, C.L.** see Pernia, S.D., 1752
- Osborne, T.O.** see Haas, G.E., 394
- Ouellet, J.-P.** see Ferron, J., 1642
- Ouellet, J.-P.** see Ferron, J., 1650
- Packard, G.C., Packard, M.J., McDaniel, P.L., and McDaniel, L.L.** Tolerance of hatchling painted turtles to subzero temperatures, 828
- Packard, M.J., and Hirsch, K.F.** Structure of shells from eggs of the geckos *Gekko gecko* and *Phelsuma madagascariensis*, 746
- Packard, M.J.** see Packard, G.C., 828
- Packer, L., Sampson, B., Lockerbie, C., and Jessome, V.** Nest architecture and brood mortality in four species of sweat bee (Hymenoptera: Halictidae) from Cape Breton Island, 2864
- Packer, L., Jessome, V., Lockerbie, C., and Sampson, B.** The phenology and social biology of four sweat bees in a marginal environment: Cape Breton Island, 2871
- Pageau, G.** see Lebeau, B., 1053
- Paim, U.** see Peterson, R.H., 1566
- Paloheimo, J.E.** see Plowright, R.C., 770
- Pandey, R.** see Haldar, C., 2352
- Panesar, T.S.** The moulting pattern in *Trichuris muris* (Nematoda: Trichuroidea), 2340
- Pank, L.F.** see Fancy, S.G., 644
- Papastavrou, V., Smith, S.C., and Whitehead, H.** Diving behaviour of the sperm whale, *Physeter macrocephalus*, off the Galapagos Islands, 839
- Parmalee, P.W.** see Churcher, C.S., 1210
- Pascal, M.** see Fichet, É., 847
- Paszkowski, C.A.** see Tonn, W.M., 2841
- Pasztor, V.M.** see Beilin, S.A., 73
- Pattenden, R.K., and Boag, D.A.** Effects of body mass on courtship, pairing, and reproduction in captive mallards, 495
- Pattenden, R.K., and Boag, D.A.** Skewed sex ratio in a northern wintering population of mallards, 1084
- Paukstis, G.L., Shuman, R.D., and Janzen, F.J.** Supercooling and freeze tolerance in hatchling painted turtles (*Chrysemys*

- picta*), 1082
- Pawluk, M.P. see Iwama, G.K., 2065
- Payne, K.B. see Langbauer, W.R., Jr., 2604
- Peakall, D.B. see Spear, P.A., 908
- Pearce, J. see Kent, K.S., 1573
- Peden, A.E., Hughes, G.W., and Roberts, W.E. Morphologically distinct populations of the shorthead sculpin, *Cottus confusus*, and mottled sculpin, *Cottus bairdi* (Pisces, Cottidae), near the western border of Canada and the United States, 2711
- Peirce, M.A. see Bennett, G.F., 1557
- Peirce, M.A. see Bennett, G.F., 2859
- Pence, D.B. see Gray, C.A., 1937
- Périssé, M., Sörensen, C.R., da Fonseca, D., and Cerqueira, R. Diet determination for small laboratory-housed wild mammals, 775
- Pernia, S.D., Costa, D.P., and Ortiz, C.L. Glomerular filtration rate in weaned elephant seal pups during natural, long term fasts, 1752
- Perry, D.F. see Hébert, C., 2384
- Perry, S.F. and Wood, C.M. Control and coordination of gas transfer in fishes, 2961
- Peterson, R.H., Coombs, K., Power, J., and Paim, U. Responses of several fish species to pH gradients, 1566
- Phillips, J.E. see Lechleitner, R.A., 2655
- Phillips, J.E. see Lechleitner, R.A., 2662
- Phillips, J.E. see Lechleitner, R.A., 2669
- Philogène, B.J.R. see Houseman, J.G., 864
- Piatt, J.F., Methven, D.A., Burger, A.E., McLagan, R.L., Mercer, V., and Creelman, E. Baleen whales and their prey in a coastal environment, 1523
- Pieau, C. see Servan, J., 1279
- Piesman, J. see Lewengrub, S., 1510
- Piesman, J. see Zung, J.L., 1737
- Piiper, J. Factors affecting gas transfer in respiratory organs of vertebrates, 2956
- Pip, E. see Novak, M., 2052
- Pistole, D.H. Sexual differences in the annual lipid cycle of the big brown bat *Eptesicus fuscus*, 1891
- Plante, Y., Boag, P.T., and White, B.N. Macrogeographic variation in mitochondrial DNA of meadow voles (*Microtus pennsylvanicus*), 158
- Playle, R.C., Goss, G.G., and Wood, C.M. Physiological disturbances in rainbow trout (*Salmo gairdneri*) during acid and aluminum exposures in soft water of two calcium concentrations, 314
- Plisetskaya, E.M. see Moon, T.W., 2189
- Plowright, R.C., Fuller, G.A., and Paloheimo, J.E. Shell dropping by Northwestern Crows: a reexamination of an optimal foraging study, 770
- Pohle, G. Structure, function, and development of setae on gill-grooming appendages and associated mouthparts of pinnotherid crabs (Decapoda: Brachyura), 1690
- Politis, M.A. see Spivak, E.D., 1976
- Ponganis, P. see Eckert, S.A., 2834
- Pörtner, H.-O. The importance of metabolism in acid-base regulation and acid-base methodology, 3005
- Post, J.R., and Evans, D.O. Experimental evidence of size-dependent predation mortality in juvenile yellow perch, 521
- Poulin, R., and FitzGerald, G.J. Risk of parasitism and microhabitat selection in juvenile sticklebacks, 14
- Poulin, R., and FitzGerald, G.J. Male-biased sex ratio in *Argulus canadensis* Wilson, 1916 (Crustacea: Branchiura) ectoparasitic on sticklebacks, 2078
- Power, J. see Peterson, R.H., 1566
- Poynton, S.L., and Lom, J. Some ectoparasitic trichodinids from Atlantic cod, *Gadus morhua* L., with a description of *Trichodina cooperi* n.sp., 1793
- Prevett, J.P. see MacInnes, C.D., 286
- Pritchard, G. see Conrad, K.F., 298
- Procunier, W.S. see Conn, J., 1217
- Proenza, R. see Wirgin, I.I., 891
- Proulx, G., Cook, S.R., and Barrett, M.W. Assessment and preliminary development of the rotating-jaw Conibear 120 trap to effectively kill marten (*Martes americana*), 1074
- Provancha, J. see Mrosovsky, N., 2533
- Pulsifer, M.D., and Herman, T.B. Comparative arboreal behaviors of wild-caught and captive-born deer mice, *Peromyscus maniculatus* Wagner, from Isle Haute and mainland Nova Scotia, 789
- Qian, P.-Y., and Chia, F.-S. Sexual reproduction and larval development of *Rhaphidrilus nemasoma* Monticelli, 1910 (Polychaeta: Ctenodrilidae), 2345
- Quinn, T.P., and Light, J.T. Occurrence of threespine sticklebacks (*Gasterosteus aculeatus*) in the open North Pacific Ocean: migration or drift?, 2850
- Radermaker, F., Surlemont, C., Sanna, P., Chardon, M., and Vandewalle, P. Ontogeny of the Weberian apparatus of *Clarias gariepinus* (Pisces, Siluriformes), 2090
- Randall, D.J. see Tufts, B.L., 235
- Randall, D.J., and Wright, P.A. The interaction between carbon dioxide and ammonia excretion and water pH in fish, 2936
- Rani, L. see Srivastav, A.K., 1335
- Rathmann, N.P., and Mallory, F.F. Normal and blocked pregnancy in the collared lemming: morphometrical and histological changes, 1363
- Rau, M.E. see Messier, F., 216
- Rausch, R.L. see Adams, A.M., 1268
- Read, A.J. see Recchia, C.A., 2140
- Recchia, C.A., and Read, A.J. Stomach contents of harbour porpoises, *Phocoena phocoena* (L.), from the Bay of Fundy, 2140
- Reed, D.J. see Gasaway, W.C., 325
- Regelin, W.L. see Fancy, S.G., 644
- Régnière, J. see Hébert, C., 2384
- Reimchen, T.E. see Gach, M.H., 1324
- Reis, M.L. see Castilho, F., 1659
- Reiswig, H.M., and Kaiser, H. Description of *Mycale bambfieldense* n.sp. (Porifera, Demospongiae, Poecilosclerida) from Vancouver Island, British Columbia, 674
- Renecker, L.A., and Hudson, R.J. Ecological metabolism of moose in aspen-dominated boreal forests, central Alberta, 1923
- Reynolds, P.E. An experimental satellite collar for muskoxen, 1122
- Ricard, A.C. see Trottier, B.L., 1332
- Richard, P.E. see Silverman, H., 198
- Richardson, W.J. see Dorsey, E.M., 1801
- Rickard, L.G. see Hobart, E.P., 1489
- Rickard, L.G., and Lichtenfels, J.R. *Nematodirus archari* (Nematoda: Trichostrongyloidea) from ruminants in North America with a description of the synlophe and the female, 1708
- Rickards, J.C., and Shorthouse, J.D. Overwintering strategy of the stem-gall inducer *Diplolepis spinosa* (Hymenoptera: Cynipidae) in central Ontario, 2232
- Ringler, N.H. see Hyatt, K.D., 2036
- Roberts, W.E. see Peden, A.E., 2711
- Robertson, R.J. see Studd, M.V., 268

- Robineau, D.** see de Buffrénil, V., 516
- Robinson, C.L.K.** Laboratory survival of four prey in the presence of northern pike, 418
- Rohwer, F.C., and Freeman, S.** The distribution of conspecific nest parasitism in birds, 239
- Rosenberg, H.I., Bauer, A.M., and Russell, A.P.** External morphology of the developing hemipenes of the dwarf chameleon, *Bradypodion pumilum* (Reptilia: Chamaeleonidae), 884
- Rosenberg, R.H.** Genetic differentiation among populations of Weidemeyer's admiral butterfly, 2294
- Rothfels, K.H.** see Conn, J., 1217
- Rowell, J.E.** see Gray, D.R., 1134
- Rowell, J.E.** see Flood, P.F., 1143
- Rowell, J.E.** see Desaulniers, D.M., 1148
- Rowell, J.E.** see Desaulniers, D.M., 1155
- Rubec, P.J.** see Trottier, B.L., 1332
- Rudzinska, M.A.** see Lewengrub, S., 1510
- Rudzinska, M.A.** see Zung, J.L., 1737
- Rugg, D.J.** see Buech, R.R., 1061
- Russell, A.P.** see Bauer, A.M., 678
- Russell, A.P.** see Rosenberg, H.I., 884
- Ryan, P.G.** see Hobart, E.P., 220
- Rydevik, M., Bergström, E., Lundqvist, H., and Eriksson, L.-O.** Seasonal changes in thyroid hormones and osmoregulation in mature male parr and 1- and 2-year-old immature parr of Baltic salmon (*Salmo salar* L.), 942
- Sá, C.** see Castilho, F., 1659
- Sáiz, F.** see Yates, L.R., 721
- Saleuddin, A.S.M.** see Mukai, S.T., 2363
- Sampson, B.** see Packer, L., 2864
- Sampson, B.** see Packer, L., 2871
- Samson, J., Jorgenson, J.T., and Wishart, W.D.** Glutathione peroxidase activity and selenium levels in Rocky Mountain bighorn sheep and mountain goats, 2493
- Sandegren, F.** see Cederlund, G., 1516
- Sanna, P.** see Radermaker, F., 2090
- Sargeant, A.B.** see Johnson, D.H., 291
- Sarnat, H.B.** see Singhal, R.N., 2704
- Saunders, M.B., and Hansen, G.L.** A method for estimating the ages of nestling Northern Harriers (*Circus cyaneus*), 1824
- Saunders, R.L.** see Komourdjian, M.P., 1505
- Schmutz, J.K., and Hungle, D.J.** Populations of ferruginous and Swainson's hawks increase in synchrony with ground squirrels, 2596
- Schoevaert, D.** see de Buffrénil, V., 2107
- Scholler, R.** see Bonnin, M., 759
- Schwab, R.G.** see Loeb, S.C., 96
- Schwartz, B.** see Vickery, W.L., 8
- Scott, D.E.** see Jackson, M.E., 2277
- Scott, J.S., and Bray, S.A.** Helminth parasites of the alimentary tract of Atlantic halibut (*Hippoglossus hippoglossus* L.) and Greenland halibut (*Reinhardtius hippoglossoides* (Walbaum)) on the Scotian Shelf, 1476
- Seabloom, R.W.** see Jensen, W.F., 1602
- Seal, U.S.** see Kreger, T.J., 2455
- Sealy, S.G.** see Guinan, D.M., 61
- Servan, J., Zaborski, P., Dorizzi, M., and Pieau, C.** Female-biased sex ratio in adults of the turtle *Emys orbicularis* at the northern limit of its distribution in France: a probable consequence of interaction of temperature with genotypic sex determination, 1279
- Sévigny, J.-M.** see McLaren, I.A., 552
- Sévigny, J.-M.** see McLaren, I.A., 559
- Sévigny, J.-M.** see McLaren, I.A., 565
- Shaw, P.** New amphipods from geothermal vent sites off the west coast of Vancouver Island, British Columbia, with a reappraisal of the amphipod family Sebidae, 1882
- Shields, J.D., Wickham, D.E., and Kuris, A.M.** *Carcinonemertes regicides* n.sp. (Nemertea), a symbiotic egg predator from the red king crab, *Paralithodes camtschatica* (Decapoda: Anomura), in Alaska, 923
- Shilton, C.M., and Brooks, R.J.** Paternal care in captive collared lemmings (*Dicrostonyx richardsoni*) and its effect on development of the offspring, 2740
- Shorthouse, J.D.** see Rickards, J.C., 2232
- Shostak, A.W., and Dick, T.A.** Variability in timing of egg hatch of *Triaenophorus crassus* Forel (Cestoda: Pseudophyllidea) as a mechanism increasing temporal dispersion of coracidia, 1462
- Shuman, R.D.** see Paukstis, G.L., 1082
- Shuttleworth, T.J.** Overview of epithelial ion-transport mechanisms, 3032
- Sigurdson, W.J.** see Woods, R.A., 2422
- Silverman, H., Richard, P.E., Goddard, R.H., and Dietz, T.H.** Intracellular formation of calcium concretions by phagocytic cells in freshwater mussels, 198
- Simon, P.** see Caillol, M., 1626
- Simpson, D.T.** see Gasaway, W.C., 325
- Sinclair, B.J.** The biology of *Euparyphus* Gerstaeker and *Caloparyphus* James occurring in madicolous habitats of eastern North America, with descriptions of adult and immature stages (Diptera: Stratiomyidae), 33
- Singhal, R.N., Davies, R.W., and Sarnat, H.B.** Changes in RNA and oxidative enzymes in *Nephelopsis obscura* (Erbodellidae) as indices of environmental stress, 2704
- Sivak, J.G.** see Ballard, K.A., 469
- Sivak, J.G.** see Nellis, D.W., 2814
- Skorping, A.** see Halvorsen, O., 1200
- Small, S.** see Farrell, A.P., 274
- Smatresk, N.J.** see Burleson, M.L., 630
- Smith, B.P.** Impact of parasitism by larval *Limnochares aquatica* (Acari: Hydrachnidia; Limnocharidae) on juvenile *Gerris comatus*, *Gerris alacris*, and *Gerris buenoi* (Insecta: Hemiptera; Gerridae), 2238
- Smith, D.A.** Radula-tooth biometry in *Helisoma trivolvis* (Gastropoda, Pulmonata): interpopulation variation and the question of adaptive significance, 1960
- Smith, J.W.** Ulcers associated with larval *Anisakis simplex* B (Nematoda: Ascaridoidea) in the forestomach of harbour porpoises *Phocoena phocoena* (L.), 2270
- Smith, P.C.** see Boates, J.S., 457
- Smith, S.C.** see Papastavrou, V., 839
- Smith, T.E.** The role of bulls in pioneering new habitats in an expanding muskox population on the Seward Peninsula, Alaska, 1096
- Smith, T.G.** see Cleator, H.J., 1900
- Smith, T.G.** see Hammill, M.O., 2212
- Smucny, D.A.** see Gibson, A.R., 19
- Snyder, R.J., and Dingle, H.** Adaptive, genetically based differences in life history between estuary and freshwater threespine sticklebacks (*Gasterosteus aculeatus* L.), 2448
- Somers, K.M.** see Jackson, D.A., 766
- Sonafrank, N.B.** see Elsner, R., 2506
- Sørensen, C.R.** see Périssé, M., 775
- Southward, E.C., and Coates, K.A.** Sperm masses and sperm transfer in a vestimentiferan, *Ridgeia piscesae* Jones, 1985

- (Pogonophora: Obturata), 2776
- Spear, P.A., Bourbonnais, D.H., Peakall, D.B., and Moon, T.W.** Dove reproduction and retinoid (vitamin A) dynamics in adult females and their eggs following exposure to 3,3',4,4'-tetrachlorobiphenyl, 908
- Spence, A.M.** see Woods, R.A., 2422
- Spence, J.R.** The habitat template and life history strategies of pond skaters (Heteroptera: Gerridae): reproductive potential, phenology, and wing dimorphism, 2432
- Spielman, A.** see Lewengrub, S., 1510
- Spielman, A.** see Zung, J.L., 1737
- Spivak, E.D., and Politis, M.A.** High incidence of limb autotomy in a crab population from a coastal lagoon in the province of Buenos Aires, Argentina, 1976
- Srivastav, A.K., and Rani, L.** Serum calcium and inorganic phosphorus levels of the freshwater snake *Sinonatrix piscator* (formerly *Natrix piscator*) in response to calcitonin treatment, 1335
- Stalker, M.J.** see Flood, P.F., 1143
- St. Aubin, D.J., and Geraci, J.R.** Seasonal variation in thyroid morphology and secretion in the white whale, *Delphinapterus leucas*, 263
- Stedman, R.M.** see Todd, T.N., 1679
- Steel, C.G.H.** see Vafopoulou, X., 2528
- Steele, D.H.** The genus *Anonyx* (Crustacea, Amphipoda) in the North Pacific and Arctic oceans: *Anonyx compactus* group, 1945
- Stephenson, R.O.** see Fay, F.H., 1986
- Stevens, T.A., Duffield, D.A., Asper, E.D., Hewlett, K.G., Bolz, A., Gage, L.J., and Bossart, G.D.** Preliminary findings of restriction fragment differences in mitochondrial DNA among killer whales (*Orcinus orca*), 2592
- Stewart, B.E.** see Stewart, R.E.A., 2147
- Stewart, D.T., Herman, T.B., and Teferi, T.** Littoral feeding in a high-density insular population of *Sorex cinereus*, 2074
- Stewart, J.R.** see Vial, J.L., 68
- Stewart, R.E.A., Stewart, B.E., Lavigne, D.M., and Miller, G.W.** Fetal growth of Northwest Atlantic harp seals, *Phoca groenlandica*, 2147
- Stiffler, D.F.** see Toews, D.P., 3064
- Stiffler, D.F.** Interactions between cutaneous ion-exchange mechanisms and acid-base balance in amphibians, 3070
- Stirling, I.** see Cleator, H.J., 1900
- Stone, G.S.** see Mattila, D.K., 281
- Studd, M.V., and Robertson, R.J.** Influence of age and territory quality on the reproductive behaviour of male Yellow Warblers, 268
- Sudhaus, W., and Nimrich, M.** Rhabditid nematodes from seaweed deposits in Canada with a description of *Rhabditis (Pellioiditis) littorea* n.sp., 1347
- Surlemont, C.** see Radermaker, F., 2090
- Sutherland, D.R.** Seasonal distribution and ecology of three helminth species infecting carp (*Cyprinus carpio*) in northwest Iowa, U.S.A., 692
- Sutter, G.C., and MacArthur, R.A.** Thermoregulatory performance of fledgling American coots (*Fulica americana*) in air and water, 1339
- Svendsen, G.E.** Pair formation, duration of pair-bonds, and mate replacement in a population of beavers (*Castor canadensis*), 336
- Tang, Y.** see McDonald, D.G., 3046
- Taylor, E.B.** Precocial male maturation in laboratory-reared populations of chinook salmon, *Oncorhynchus tshawytscha*, 1665
- Taylor, G.M., and Nol, E.** Movements and hibernation sites of overwintering painted turtles in southern Ontario, 1877
- Taylor, W.R.** see Novak, M., 2052
- Teferi, T.** see Stewart, D.T., 2074
- Telford, S.R.** see Zung, J.L., 1737
- Tester, J.R.** see Kreeger, T.J., 2455
- Theberge, J.B., and Wedeles, C.H.R.** Prey selection and habitat partitioning in sympatric coyote and red fox populations, southwest Yukon, 1285
- Thing, H.** see Klein, D.R., 1092
- Thing, H.** see Olesen, C.R., 1116
- Thomas, E.M.** see Langbauer, W.R., Jr., 2604
- Thomopoulos, G.N., Neophytou, E.P., and Kastritis, C.D.** An ultrastructural and histochemical developmental study of *Drosophila auraria* salivary gland cells during the third-instar period, 421
- Thompson, C.S., and Mettrick, D.F.** The effects of 5-hydroxytryptamine and glutamate on muscle contraction in *Hymenolepis diminuta* (Cestoda), 1257
- Thompson, I.D., Davidson, I.J., O'Donnell, S., and Brazeau, F.** Use of track transects to measure the relative occurrence of some boreal mammals in uncut forest and regeneration stands, 1816
- Thomson, J.D.** Reversal of apparent feeding preferences of bumble bees by aggression from *Vespa* wasps, 2588
- Thouveny, Y.** see Coulon, J., 994
- Tiplady, B.A.** see White, R.G., 1125
- Todd, T.N., and Stedman, R.M.** Hybridization of ciscoes (*Coregonus* spp.) in Lake Huron, 1679
- Toews, D.P., and Stiffler, D.F.** The role of the amphibian kidney and bladder in the regulation of acid-base relevant ions, 3064
- Tomalak, M., Welch, H.E., and Galloway, T.D.** Nematode parasites of bark beetles (Scolytidae) in southern Manitoba, with descriptions of three new species of *Sulphuretylenschus* Rühm (Nematoda: Allantonematidae), 2497
- Tome, M.W.** Food patch depletion by ruddy ducks: foraging by expectation rules, 2751
- Tonn, W.M., Paszkowski, C.A., and Holopainen, I.J.** Response of crucian carp populations to differential predation pressure in a manipulated pond, 2841
- Tramu, G.** see Malecha, J., 636
- Trippel, E.A., and Harvey, H.H.** Missing opportunities to reproduce: an energy dependent or fecundity gaining strategy in white sucker (*Catostomus commersoni*)?, 2180
- Trottier, B.L., Rubec, P.J., and Ricard, A.C.** Biochemical separation of Atlantic Canadian redfish: *Sebastodes mentella* and *Sebastodes norvegicus*, 1332
- Trudeau, D.J.** see Hogans, W.E., 774
- Trudeau, D.J.** see Hogans, W.E., 1080
- Tufts, B.L., and Randall, D.J.** The functional significance of adrenergic pH regulation in fish erythrocytes, 235
- Tufts, B.L.** see Nikinmaa, M., 3039
- Uin, L.M.** see Boeuf, G., 1654
- Upton, S.J.** see McAllister, C.T., 2459
- Vafopoulou, X., Steel, C.G.H., and Laufer, H.** Selective stimulation of puffing activity in vitro with a juvenile hormone analogue by polytene chromosomes in the salivary glands of *Chironomus thummi* (Diptera), 2528
- Vandewalle, P.** see Radermaker, F., 2090
- Vaughan, M.R.** see Hellgren, E.C., 1837
- Verger-Bocquet, M.** see Malecha, J., 636
- Verspoor, E., and Cole, L.J.** Genetically distinct sympatric populations of resident and anadromous Atlantic salmon, *Salmo salar*, 1453

- Vial, J.L., and Stewart, J.R.** The manifestation and significance of sexual dimorphism in anguid lizards: a case study of *Barisia imitator*, 68
- Vickery, W.L., Iverson, S.L., Mihok, S., and Schwartz, B.** Environmental variation and habitat separation among small mammals, 8
- Vijayan, M.M., and Leatherland, J.F.** Cortisol-induced changes in plasma glucose, protein, and thyroid hormone levels, and liver glycogen content of coho salmon (*Oncorhynchus kisutch* Walbaum), 2746
- Vrain, T.C.** see Ebsary, B.A., 801
- Walsh, P.J., and Milligan, C.L.** Coordination of metabolism and intracellular acid-base status: ionic regulation and metabolic consequences, 2994
- Walsh, W.A., and Lund, W.A., Jr.** Oxygen consumption by eggs of the grubby, *Myoxocephalus aenaeus*, and the longhorn sculpin, *Myoxocephalus octodecemspinosis*, 1613
- Walsh, W.A., and Lund, W.A., Jr.** Erratum: Oxygen consumption by eggs of the grubby, *Myoxocephalus aenaeus*, and the longhorn sculpin, *Myoxocephalus octodecemspinosis*, 2857
- Walter, D.E.** see Lindquist, E.E., 1291
- Walter, D.E., and Lindquist, E.E.** Life history and behavior of mites in the genus *Lasioseius* (Acar: Mesostigmata: Ascidae) from grassland soils in Colorado, with taxonomic notes and description of a new species, 2797
- Wartzok, D.** see Elsner, R., 2506
- Wassersug, R.J.** see Hoff, K. v.S., 2756
- Watts, P., and Gaskin, D.E.** A comparison of age determination techniques for the harbour porpoise, *Phocoena phocoena* L., 1832
- Way, C.M., Hornbach, D.J., Deneka, T., and Whitehead, R.A.** A description of the ultrastructure of the gills of freshwater bivalves, including a new structure, the frontal cirrus, 357
- Weatherhead, P.J., and Hoysak, D.J.** Spatial and activity patterns of black rat snakes (*Elaphe obsoleta*) from radiotelemetry and recapture data, 463
- Weatherhead, P.J.** Temporal and thermal aspects of hibernation of black rat snakes (*Elaphe obsoleta*) in Ontario, 2332
- Webster, J.M.** see Zervos, S., 1609
- Weckerly, F.W.** Plasticity in length of hindgut segments of white-tailed deer (*Odocoileus virginianus*), 189
- Wedeles, C.H.R.** see Theberge, J.B., 1285
- Welch, H.E.** see Tomalak, M., 2497
- Wheeler, T.A., and Beverley-Burton, M.** Systematics of *Onchocelidus* Mueller, 1936 (Monogenea: Ancyrocephalidae): generic revision, 136
- Wheeler, T.A., and Beverley-Burton, M.** Systematics of *Onchocelidus* Mueller, 1936 (Monogenea: Ancyrocephalidae): phylogenetic relationships, evolution, and host associations, 706
- Whitaker, D.J.** see Kabata, Z., 341
- White, B.N.** see Plante, Y., 158
- White, R.G.** see Holleman, D.F., 488
- White, R.G., Holleman, D.F., and Tiplady, B.A.** Seasonal body weight, body condition, and lactational trends in muskoxen, 1125
- Whitehead, H.** see Arnbom, T., 1
- Whitehead, H.** see Papastavrou, V., 839
- Whitehead, H.** Formations of foraging sperm whales, *Physeter macrocephalus*, off the Galápagos Islands, 2131
- Whitehead, H.** Erratum: Formations of foraging sperm whales, *Physeter macrocephalus*, off the Galápagos Islands, 2856
- Whitehead, R.A.** see Way, C.M., 357
- Whitten, K.R.** see Fancy, S.G., 644
- Whoriskey, F.G., and Fitzgerald, G.J.** Breeding-season habitat use by sticklebacks (Pisces: Gasterosteidae) at Isle Verte, Quebec, 2126
- Wickham, D.E.** see Shields, J.D., 923
- Wiggett, D.R., and Boag, D.A.** Intercolony natal dispersal in the Columbian ground squirrel, 42
- Wiggett, A.D.R.** see Wiggett, D.R., 1447
- Wiggett, D.R., Boag, D.A., and Wiggett, A.D.R.** Movements of intercolony natal dispersers in the Columbian ground squirrel, 1447
- Wiggins, D.A.** Consequences of variation in brood size on the allocation of parental care in common terns (*Sterna hirundo*), 2411
- Wiggins, G.B., and Larson, D.J.** Systematics and biology for a new Nearctic genus in the caddisfly family Phryganeidae (Trichoptera), 1550
- Wilkins, J.L.** see McPhee, M.J., 391
- Williams, C.J., and McMahon, R.F.** Annual variation of tissue biomass and carbon and nitrogen content in the freshwater bivalve *Corbicula fluminea* relative to downstream dispersal, 82
- Wilson, M.L.** see Adler, G.H., 772
- Wilson, N.** see Haas, G.E., 394
- Winterbottom R., and Burridge, M.** A new species of *Priolepis* (Pisces; Gobiidae) from the Pacific plate, with biogeographic comments, 2398
- Winterbottom, R.** A revision of the *Trimmatom nanus* species complex (Pisces, Gobiidae), with descriptions of three new species and redefinition of *Trimmatom*, 2403
- Virgin, I.I., Proenca, R., and Grossfield, J.** Mitochondrial DNA diversity among populations of striped bass in the southeastern United States, 891
- Wishart, W.D.** see Samson, J., 2493
- Wissinger, S.A.** Comparative population ecology of the dragonflies *Libellula lydia* and *Libellula luctuosa* (Odonata: Libellulidae), 931
- Wolff, J.O.** see Haas, G.E., 394
- Wong, P.L.** see Bartlett, C.M., 2883
- Wong, P.L., Anderson, R.C., and Bartlett, C.M.** Development of *Skrjabinoclava inornatae* (Nematoda: Acuarioidea) in fiddler crabs (*Uca* spp.) (Crustacea) and Western Willets (*Catoptrophorus semipalmatus inornatus*) (Aves: Scolopacidae), 2893
- Wood, C.M.** see Playle, R.C., 314
- Wood, C.M.** see Perry, S.F., 2961
- Woods, R.A., Malone, K.M.B., Spence, A.M., Sigurdson, W.J., and Byard, E.H.** The genetics, ultrastructure, and tubulin polypeptides of mebendazole-resistant mutants of *Caenorhabditis elegans*, 2422
- Workman, G.D.** see Bailey, R.E., 1757
- Wright, J.** see Brussard, P.F., 330
- Wright, P.A.** see Randall, D.J., 2936
- Würsig, B.** see Dorsey, E.M., 1801
- Xia, X., and Millar, J.S.** Dispersion of adult male *Peromyscus leucopus* in relation to female reproductive status, 1047
- Yates, L.R., Daza, M., and Saiz, F.** The energy budget of adult *Pseudopachymerina spinipes* (Er.) (Coleoptera: Bruchidae), 721
- Yoshida-Shaul, E.** see Chant, D.A., 1006
- Young, A.D.** Spacing behavior of visual- and tactile-feeding shorebirds in mixed-species groups, 2026
- Youngson, A.F., and McLay, H.A.** Thyroid hormone levels in flow-challenged adult salmon (*Salmo salar* L.), 1851
- Zaborski, P.** see Servan, J., 1279
- Zarnke, R.L.** see Haas, G.E., 394
- Zervos, S., and Webster, J.M.** Susceptibility of the cockroach *Periplaneta americana* to *Heterorhabditis heliothidis* (Nematoda:

Rhabditoidea) in the laboratory, 1609

Zeyl, C.W., and Lowcock, L.A. A morphometric analysis of hybrid salamanders (genus *Ambystoma*) and their progenitors on Kelleys Island in Lake Erie, 2376

Zung, J. see Lewengrub, S., 1510

Zung, J.L., Lewengrub, S., Rudzinska, M.A., Spielman, A., Telford, S.R., and Piesman, J. Fine structural evidence for the penetration of the Lyme disease spirochete *Borrelia burgdorferi* through the gut and salivary tissues of *Ixodes dammini*, 1737